SONY

LARGE LENS ADAPTOR

CA-905K
CA-905F
CA-905T

VIEWFINDER SADDLE
BKP-9057

MAINTENANCE MANUAL Part 1
1st Edition
Serial No. 15001 and Higher: CA-905K
Serial No. 35001 and Higher: CA-905T
Serial No. 45001 and Higher: CA-905F

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危険をさけるため，サービストレーニングを受けた技術者のみご使用ください。

⚠WARNING

This manual is intended for qualified service personnel only.
To reduce the risk of electric shock, fire or injury, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so. Refer all servicing to qualified service personnel.

⚠WARNUNG

Die Anleitung ist nur für qualifiziertes Fachpersonal bestimmt.
Alle Wartungsarbeiten dürfen nur von qualifiziertem Fachpersonal ausgeführt werden. Um die Gefahr eines elektrischen Schlages, Feuergefahr und Verletzungen zu vermeiden, sind bei Wartungsarbeiten strikt die Angaben in der Anleitung zu befolgen. Andere als die angegeben Wartungsarbeiten dürfen nur von Personen ausgeführt werden, die eine spezielle Befähigung dazu besitzen.

⚠AVERTISSEMENT

Ce manual est destiné uniquement aux personnes compétentes en charge de l’entretien. Afin de réduire les risques de décharge électrique, d’incendie ou de blessure n’effectuer que les réparations indiquées dans le mode d’emploi à moins d’être qualifié pour en effectuer d’autres. Pour toute réparation faire appel à une personne compétente uniquement.

Table of Contents

Manual Structure

Purpose of this manual ..... 2 (E)
Related manuals ..... 2 (E)
Contents ..... 2 (E)

1. Installation Overview

1-1. Check of ROM Version ..... 1-1 (E)
1-2. Connector Input/Output Signals ..... 1-2 (E)
1-3. Outside Dimensions ..... 1-6 (E)
1-4. Instance of System Configuration ..... 1-8 (E)

2. Service Overview

2-1. Location of Printed Circuit Boards ..... 2-1 (E)
2-2. Recommended Replacement Part ..... 2-2 (E)
2-3. Function of Internal Switches ..... 2-3 (E)
2-4. Circuit Description ..... 2-5 (E)

3. Block Diagram

Overall 3-1

Manual Structure

Purpose of this manual

This manual is the maintenance manual part 1 of Large Lens Adapter CA-905K/905F and Viewfinder Saddle BKP-9057.
This manual is intended for use by trained system and service engineers, and provides the installation and maintenance information that is necessary at the time of primary service.

Related manuals

Besides this “maintenance manual part 1”, the following manuals are available for this unit.

- **CA-905K/905F, BKP-9057 Operation Manual (Supplied with the CA-905K/905F)**
  This manual is necessary for application and operation of this unit.

- **CA-905K/905F, BKP-9057 Maintenance Manual Part 2 (Available on request)**
  This manual describes the information items on maintenance, and items that premise the service based on the components parts such as service information, parts list, semiconductor pin assignments, block diagrams, schematic diagrams and board layouts.
  If this manual is required, please contact your local Sony Sales Office/Service Center.

- **BKP-9057 Installation Manual (Supplied with BKP-9057)**
  This manual describes the information items necessary when the BKP-9057 is supplied and installed.

Contents

The following are summaries of all the sections for understanding the contents of this manual.

Section 1 Installation

Describes information about outside dimensions, connector input/output signals and instance of system configuration.

Section 2 Service Overview

Describes information about board locations, circuit description and function of internal switches.

Section 3 Block Diagram

Describes overall block diagram of this unit and BKP-9057.

Section 1
Installation Overview

1-1. Check of ROM Version

When connecting the camera, be sure to check the version of ROM on each AT board corresponding to the camera to be connected.
If ROM version is lower than the specified below, be sure to perform ROM replacement.
If ROM replacement is required, contact your local Sony Sales Office/Service Center.

Camera	Board name	Ref No.	Rom version
BVP-950/950P BVP-950WSPK	AT-121	IC8 IC9	Ver. 1.20 or higher Ver. 1.20 or higher
BVP-550	AT-95	IC36	Ver. 4.1 or higher
BVP-570/570WSPK	AT-126	IC36	Ver. 4.1 or higher

1-2. Connector Input/Output Signals

TRIAX

King type (for NTSC)
Fischer type (for PAL)

REMOTE (8P MALE)

(EXTERNAL VIEW)

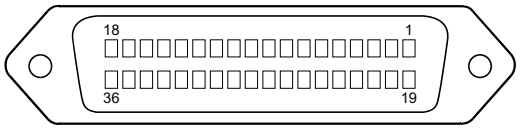
No.	SIGNAL	SPECIFICATIONS
1	(NC)	
2	(NC)	
3	IIC DATA	SERIAL DATA
4	IIC CLK	
5	DATA (GND)	GND for DATA
6	POWER (+) IN	+12 V
7	POWER (–) IN	GND for +12V
8	(VIDEO (X) IN)	
	CHASSIS GND	CHASSIS GND

LENS (12P MALE)

(EXTERNAL VIEW)

No.	SIGNAL	SPECIFICATIONS
1	RET VIDEO ENABLE OUT	ENABLE: 0 V DISABLE: +5 V or OPEN
2	RET 2 ENABLE OUT	ENABLE: 0 V DISABLE: +5 V or OPEN
3	GND	GND for UNREG
4	AUTO +5 V IN	AUTO: +5 V MANU: 0 V or OPEN
5	IRIS CONT IN	+2.0 V to +7.0 V (+3.4 V = F16, +6.2 V = F2.8)
6	(UNREG IN)	+10.5 V to +17 V
7	IRIS POSITION OUT	+2.0 V to +7.0 V (+3.4 V = F16, +6.2 V = F2.8)
8	AUTO/MANU IN	AUTO IRIS: 0 V MANUAL IRIS: +5 V
9	EXTENDER ON/OFF OUT	EX 2 ON: 0 V EX 0.8 ON: +1.8 V OFF: +4.8 V
10	ZOOM POSITION OUT	WIDE: 2 V TELE: 7 V
11	LAUX1 (SERIAL RXD)	LENS AUX (LENS SERIAL DATA)
12	LAUX1 (SERIAL TXD)	LENS AUX (LENS SERIAL DATA)

LENS (36P FEMALE)



(EXTERNAL VIEW)

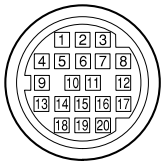
No.	SIGNAL	SPECIFICATIONS
1	NC	No connection
2	NC	No connection
3	NC	No connection
4	+12 V (LENS)OUT	+12 V (2 A max)
5	LENS DC GND	GND for +12 V (LENS)
6	GND	GND
7	(Z POT FOLLOW)	No connection
8	LENS EXT1 IN (SERIAL RXD)	*2 (LENS SERIAL DATA)
9	LENS EXT2 IN	*2
10	LENS EXT3 IN	*2
11	LENS AUX OUT	ON: GND OFF: High impedance
12	IRIS POSI IN	Zi ≧ 10 kΩ 2 to 7 V "3.4 ±0.1 V (F16)" "6.2 ±0.1 V (F2.8)"
13	ZOOM POSI IN	Zi ≧ 10 kΩ 2 to 7 V "2 V (WIDE), 7 V (TELE)"
14	RET 1 $\overline{\text{ON}}$ IN	Zi ≧ 10 kΩ ON: L OFF: High impedance
15	RET 2 $\overline{\text{ON}}$ IN	Zi ≧ 10 kΩ ON: L OFF: High impedance
16	FOCUS POSI IN	Zi ≧ 10 kΩ 2 to 7 V "2 V (MIN), 7 V (∞)"
17	IRIS CONT OUT	2 to 7 V "3.4 ±0.1 V (F16)" "6.2 ±0.1 V (F2.8)" Zo ≦ 1 kΩ
18	IRIS $\overline{\text{AUTO}}$/MANU OUT (SERIAL TXD)	AUTO: L MANU: H Zo ≦ 1 kΩ (LENS SERIAL DATA)
19	NC	No connection
20	NC	No connection
21	LENS R TALLY ON OUT	ON: L OFF: H Zo ≦ 1 kΩ
22	EXP POSITION IN	Zi ≧ 10 kΩ 1 to 4 V 1 V: −7.5° 4 V: +7.5°
23	RET 3 ON IN	Zi ≧ 10 kΩ ON: L OFF: High impedance
24	LENS ADRS A IN	*1
25	LENS ADRS B IN	*1
26	LENS ADRS C IN	*1
27	LENS ADRS D IN	*1
28	EXTENDER 1 $\overline{\text{ON}}$ OUT	ON: GND OFF: High impedance
29	EXTENDER 2 $\overline{\text{ON}}$ OUT	ON: GND OFF: High impedance
30	(F DEM FAR)	No connection
31	INCOM 1 ENG/PRD IN	Zi ≧ 10 kΩ ENG: GND PRD: High impedance
32	INCOM 2 ENG/PRD IN	Zi ≧ 10 kΩ ENG: GND PRD: High impedance
33	INCOM MIC 1 $\overline{\text{ON}}$ IN	Zi ≧ 10 kΩ ON: GND OFF: High impedance
34	INCOM MIC 2 $\overline{\text{ON}}$ IN	Zi ≧ 10 kΩ ON: GND OFF: High impedance
35	(F CONT SIG)	No connection
36	(LF DEM NEAR))	No connection

*1 Zi ≧ 10 kΩ
1: High impedance
0: 0 +0.5 V
LENS ADRS A (Low-order bit)
LENS ADRS D (High-order bit)

*2 Zi ≧ 10 kΩ
1: High impedance
0: 0 ±0.5 V

EXT1	EXT2	EXT3	MODE
1	1	1	EXTENDER OFF
1	0	1	EXT-A (×1.5) ON
0	1	1	EXT-B (×2) ON
0	0	1	EXT-C (×2.5) ON

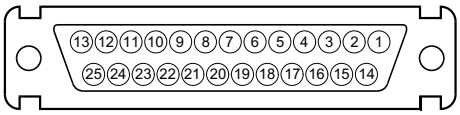
VF (20P MALE) (BKP-9057)



(EXTERNAL VIEW)

No.	SIGNAL	SPECIFICATIONS
1	(VTR SAVE)	
2	NC	No connection
3	16:9 MODE IN	H: NORMAL (4:3) L: WIDE (16:9)
4	(REC ALARM)	
5	(COMP/VBS SW IN/OUT)	
6	NC	No connection
7	NC	No connection
8	G TALLY IN	H: Indicator lights L: Indicator goes out
9	PEAKING OFF IN	
10	Y (X) IN	1 V p-p, VF: Zi = 1.5 kΩ
11	NC	No connection
12	VF VIDEO IN (X)	1.0 V p-p, VF: Zi = 1.5 kΩ
13	(AUDIO CTL)	
14	B-Y (X) IN	700 mV p-p, VF: Zi = 1.5 kΩ, 75 % color bars
15	R-Y (X) IN	700 mV p-p, VF: Zi = 1.5 kΩ, 75 % color bars
16	NC	No connection
17	TALLY IND IN	H: Indicator lights L: Indicator goes out
18	NC	No connection
19	GND	GND
20	NC	No connection

VF (25P FEMALE) (BKP-9057)

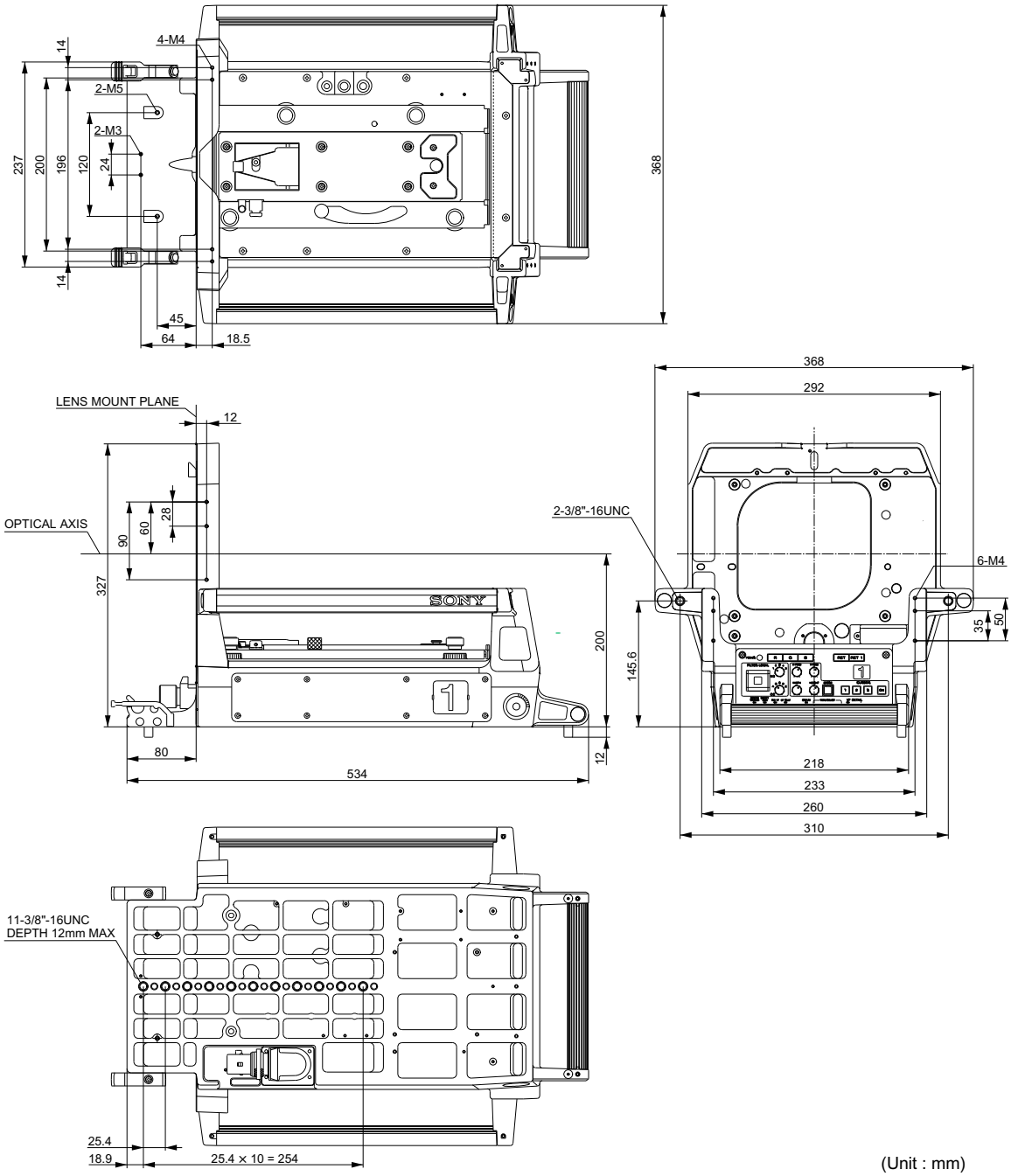


(EXTERNAL VIEW)

No.	SIGNAL	SPECIFICATIONS
1	VF R VIDEO OUT (X)	V = 714 mV p-p (NTSC) 700 mV p-p (PAL) Zo = 75 Ω ±5 % POSI
2	NC	No connection
3	VF G OUT(X)	B/W: Y/RET, COLOR: G Zo = 75 Ω ±5 % 1 V p-p
4	NC	No connection
5	VF B VIDEO OUT (X)	V = 714 mV p-p (NTSC) 700 mV p-p (PAL) Zo = 75 Ω ±5 % POSI
6	RET $\overline{\text{ON}}$ OUT	ON: GND, OFF: +5 V
7	+12 V (VF) OUT	+12 V dc
8	+12 V (VF) OUT	+12 V dc
9	UP TALLY ON OUT	ON: +12 V OFF: 0 V
10	NC (VF RET VIDEO OUT (X))	No connection (V = 1.0 V p-p Zo = 75 Ω ±5 %)
11	R TALLY ON OUT	ON: 5.0 V ±0.5 V OFF: 0 +0.5 V
12	$\overline{\text{VF SEL}}$ $\overline{\text{COL}}$/BW IN	COLOR:GND B/W: High impedance
13	NC	No connection

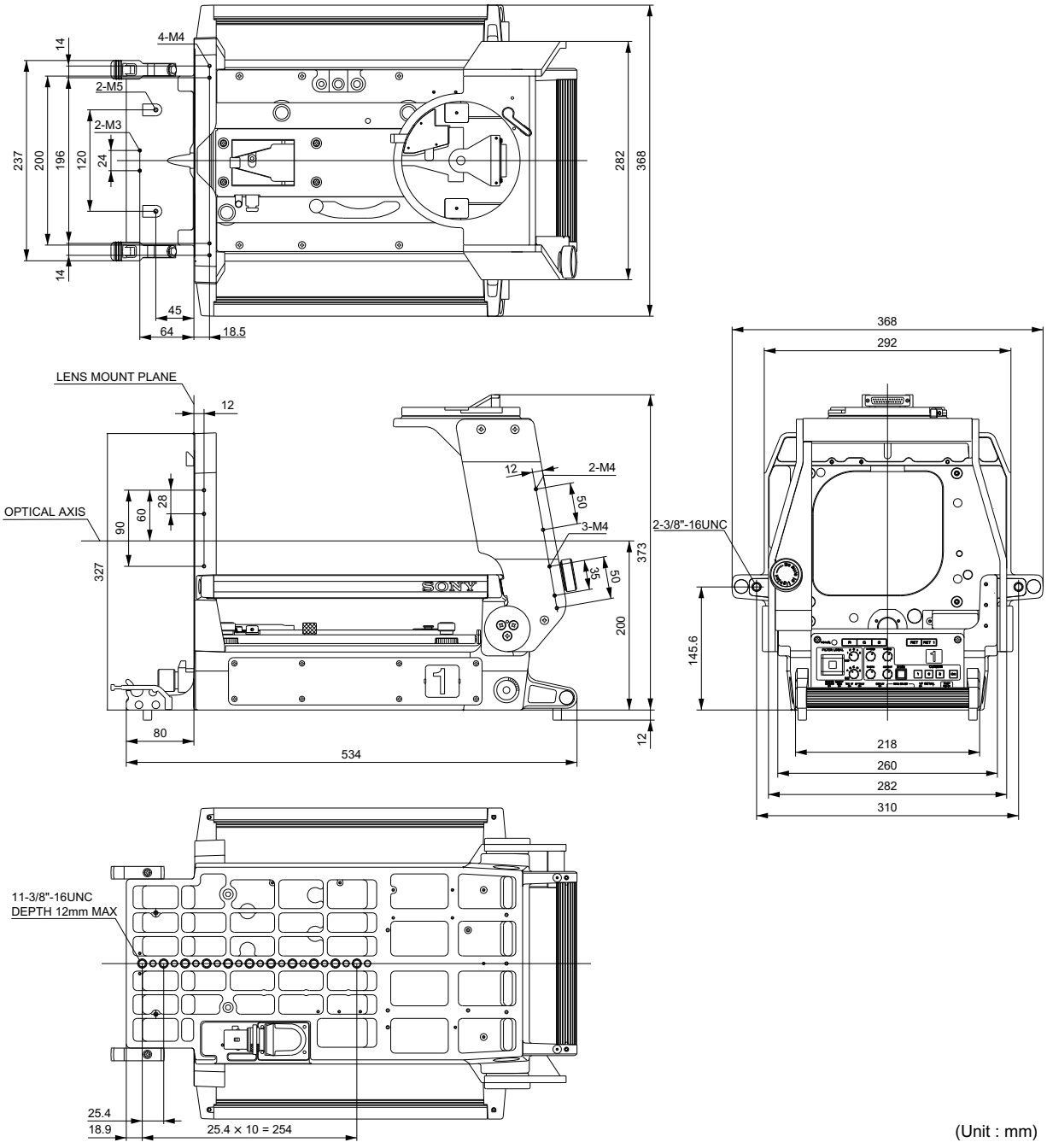
No.	SIGNAL	SPECIFICATIONS
14	VF R VIDEO OUT (G)	GND for VF R VIDEO
15	PEAKING OFF OUT	OFF: GND ON: High impedance
16	VF G VIDEO OUT (G)	GND for VF G VIDEO
17	CHASSIS GND	CHASSIS GND
18	VF B VIDEO OUT (G)	GND for VF B VIDEO
19	VF DC GND	GND for +12 V (VF)
20	VF DC GND	GND for +12 V (VF)
21	TALLY GND	GND for TALLY
22	NC (VF RET VIDEO OUT (G))	No connection (GND for VF RET VIDEO)
23	G TALLY ON OUT	ON: 5.0 V ±0.5 V OFF: 0 +0.5 V
24	NC	No connection
25	16 : 9 ON OUT	ON: GND OFF: High impedance

1-3. Outside Dimensions



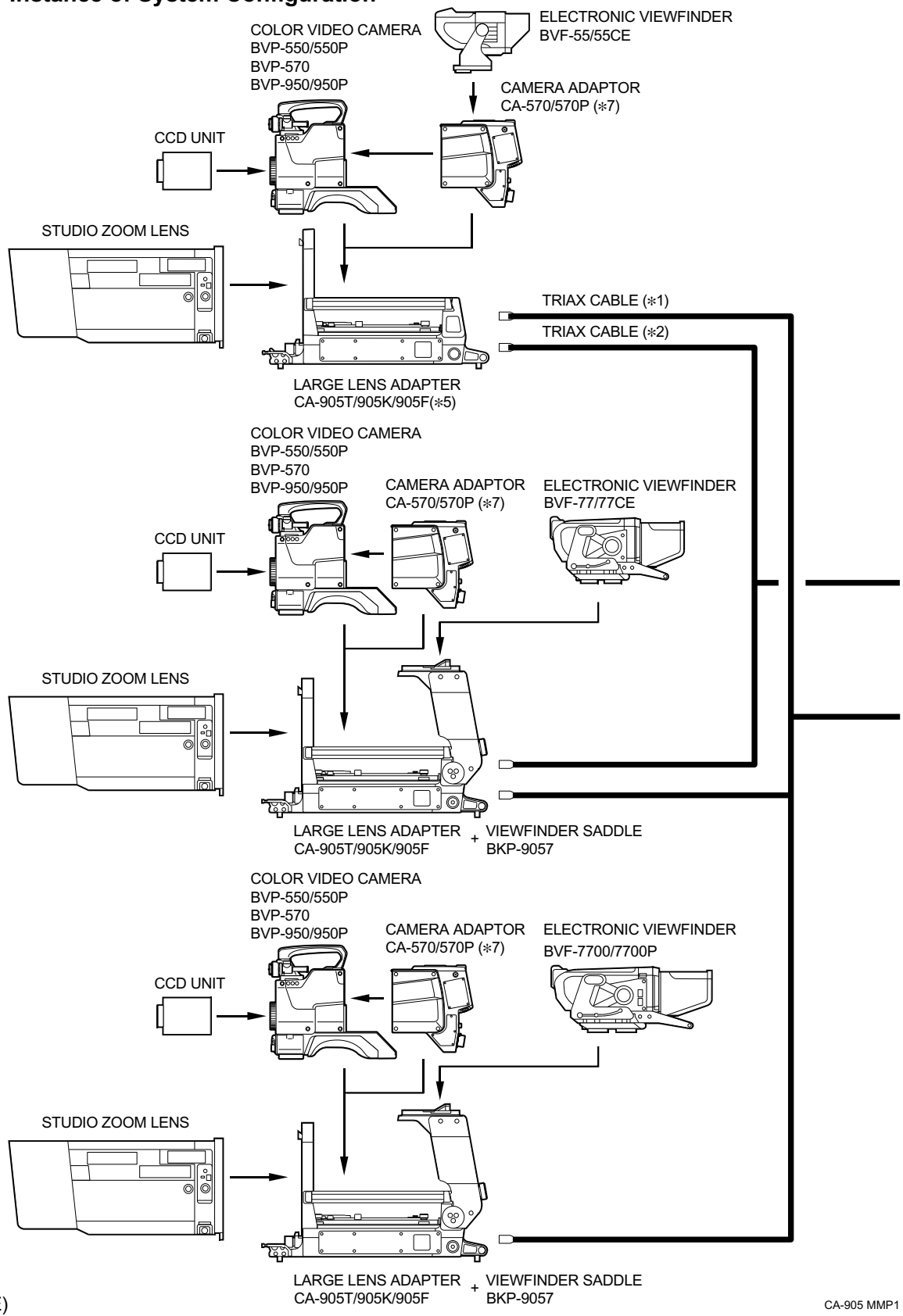
(Unit : mm)

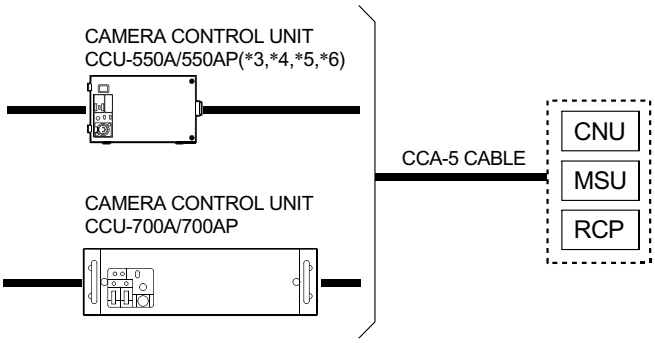
With BKP-9057 installed



(Unit : mm)

1-4. Instance of System Configuration





∗1: Triax cable length (CCU-700A/700AP)

Diameter	Extensible length	Cable-length limitation for prompter signal transmission
8.5 mm	1000 m	500 m
14.5 mm	2000 m	1000 m

∗2: Triax cable length (CCU-550A/550AP)

Diameter	Extensible length	Cable-length limitation for prompter signal transmission
8.5 mm	700 m	500 m
14.5 mm	1400 m	1000 m

∗3: The CCU-550A/550AP is conforms to the CA-905K/905F, however, CCU-550/550P does not conform to the CA-905K/905F. Be sure not to use the CCU-550/550P.
If the CCU-550/550P is connected with the CA-905K/905F, the CCU-550/550P needs to be upgraded by the CCU upgrade unit BKP-5976.

∗4: The CCU-550A/550AP incorporating the DC Power Unit BKP-5974 cannot be used together with the CA-905K/905F. Be sure not to use the CCU-550A/550AP incorporating the BKP-5974 when using the CA-905K/905F.

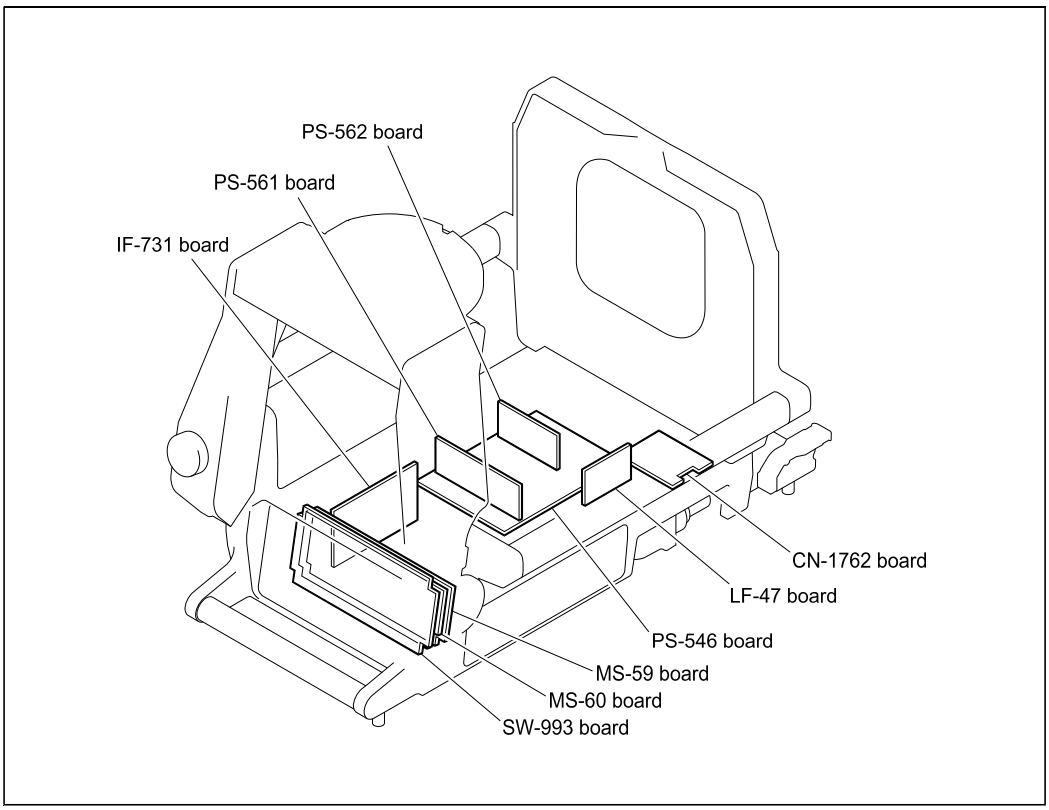
∗5: The viewfinder BVF-7700/7000P cannot be used together with the CCU-550A/550AP. Be sure to use the CCU-700A/700AP.

∗6: When the CA-570/570P is connected with the CCU-550A/550AP, use of intercom transmission channel is limited to only one channel.
In this case, use the INCOM 1 connector of the CA-570/570P.

∗7: Since the CA-550/550P does not conform to the CA-905K/905F, connect the CA-570/570P when using the CA-905K/905F.

Section 2
Service Overview

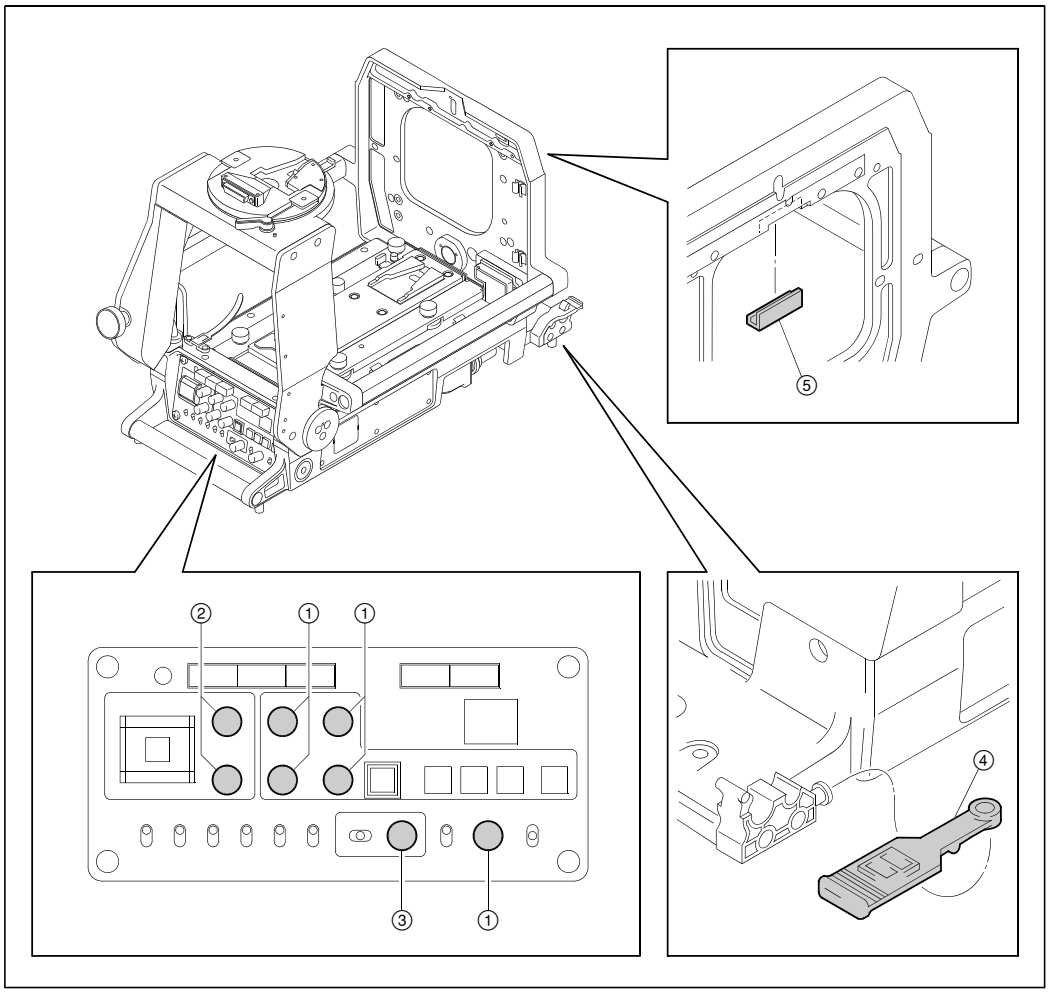
2-1. Location of Printed Circuit Boards



2-2. Recommended Replacement Part

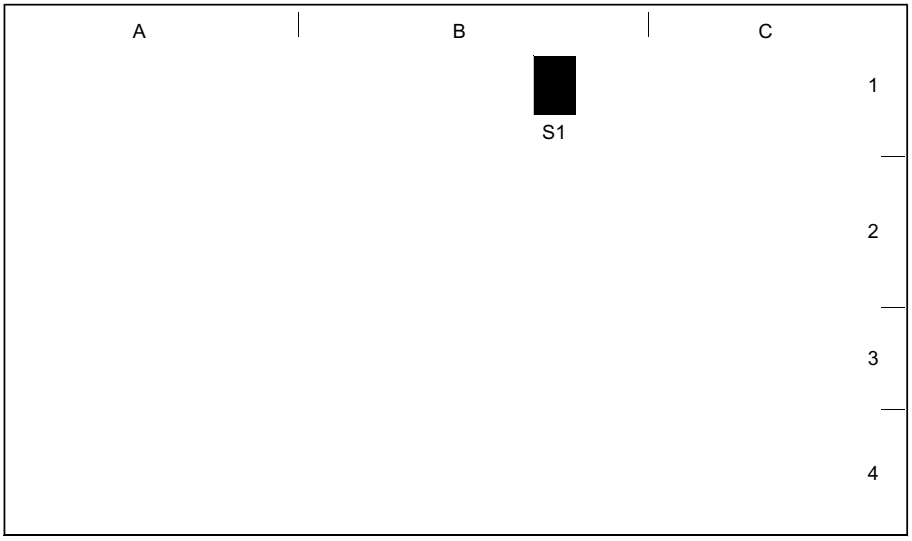
Parts listed below are recommended replacement parts. They are subject to cracks with the lapse of time. Check sometimes by visual, and replace as necessary.

No.	Description	Sony P/N
①	Control knob assembly	X-3167-563-X
②	Control knob	3-185-872-0X
③	Control knob	3-602-483-0X
④	Clamp band	3-612-712-0X
⑤	Rubber, protection	3-622-558-0X



2-3. Function of Internal Switches

IF-731 board

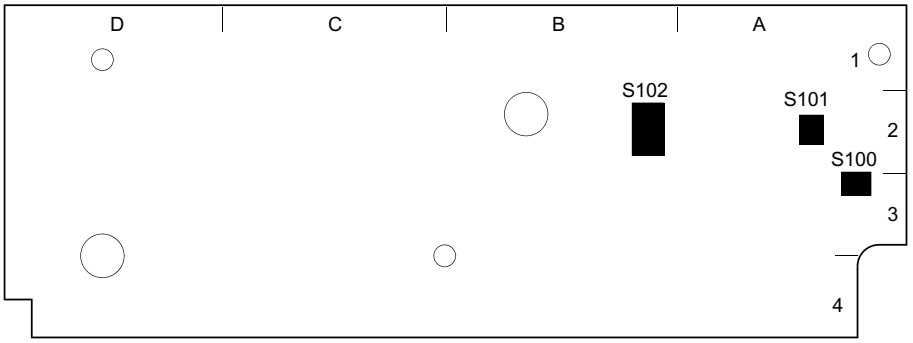


IF-731 board A side

Ref. No.		Switch name	Description	Factory setting
S1	S1-1	For factory adjustment	Always set to OFF position	OFF
	S1-2		Always set to ON position	ON

MS-60 board (BKP-9057)

When replacing the MS-60 board used in the CA-905F, be sure to set up switches on the MS-60 board according to the following table.
For details on replacement procedures, refer to the separate Maintenance Manual Part2.



MS-60 board B side

Ref No.		Switch name	Desctiption	CA-905K (Factory setting)	CA-905F
S100		COMB FILTER NTSC/PAL SELECT			
	S100-1	NTSC/PAL	ON: NTSC OFF: PAL	ON	OFF
	S100-2	SPARE	——	OFF	OFF
S101		CRYSTAL OSCILLATOR SELECT			
	S101-1	NTSC	ON: NTSC OFF: PAL	ON	OFF
	S101-2	PAL	ON: PAL OFF: NTSC	OFF	ON
S102		CHROMA DECODER SETTING			
	S102-1	BURST GATE WIDTH	ON: NTSC OFF: PAL	ON	OFF
	S102-2	COLOR SATURATION CONTROL	ON: PAL OFF: NTSC	OFF	ON
	S102-3	TINT CONTROL	ON: PAL OFF: NTSC	OFF	ON
	S102-4	NTSC/PAL SELECT	ON: PAL OFF: NTSC	OFF	ON
	S102-5	HD PULSE	ON: NTSC OFF: PAL	ON	OFF
	S102-6	HD PULSE	ON: PAL OFF: NTSC	OFF	ON

2-4. Circuit Description

This unit consists of the following three systems:
- Power supply system
- Control system
- Monitor output system

Power Supply System

AC240 V or DC150 V from the CCU is input to the CA-905K/905F via a TRIAX cable. The voltage input from the CCU is supplied to the camera via CA-905K/905F. Also, the power unit inside the CA-905K/905F supplies DC 12 V.
The power supply system consists of the following five boards:
- LF-47 board
- PS-546 board
- PS-561 board
- PS-562 board
- IF-731 board

LF-47 board
A voltage supplied from the CCU is sent to the camera cable and the power unit through the LF-47 board.

PS-546/PS-561/PS-562 boards
Above boards create the DC 12 V necessary for CA-905K/905F from AC240 V or DC 150 V supplied by CCU. Also they create the voltage for driving the lens and viewfinder.

IF-731 board
This board creates DC +7.5 V, DC +5 V, and DC −3 V from the DC 12 V supplied from the power unit.

Control System

As the CA-905K/905F is not provided with a microcomputer, the camera is controlled by the CA-905K/905F through the remote connector (bus line) of the camera adapter (such as a CA-570/570P).
The control system consists of the following four boards:
- IF-731 board
- CN-1762 board
- SW-993 board
- MS-60 board (BKP-9057)

IF-731 and CN-1762 boards
The large studio lens and the camera lens signals are connected to the IF-731 board via the CN-1762 board. The I/O ports IC for controlling the studio lens is mounted on the IF-731 board.

SW-993 board
The operation panel is equipped with the unit in order to control the camera from the CA-905 like a general studio camera. This allows for control the monitor select, filter control, cursor control, switch control and menu select functions through the I/O ports IC on the SW-993 board.

MS-60 board (BKP-9057)
The control IC which is used for displaying the return video on the viewfinder, is equipped with the MS-60 board.

Monitor Output System (BKP-9057)

This system processes the video signal and the return video signal from the camera, then the monitor signal selected by the operation panel or the PIP signal is output to the viewfinder.
The monitor output system consists of the following two boards:

- MS-59 board
- MS-60 board

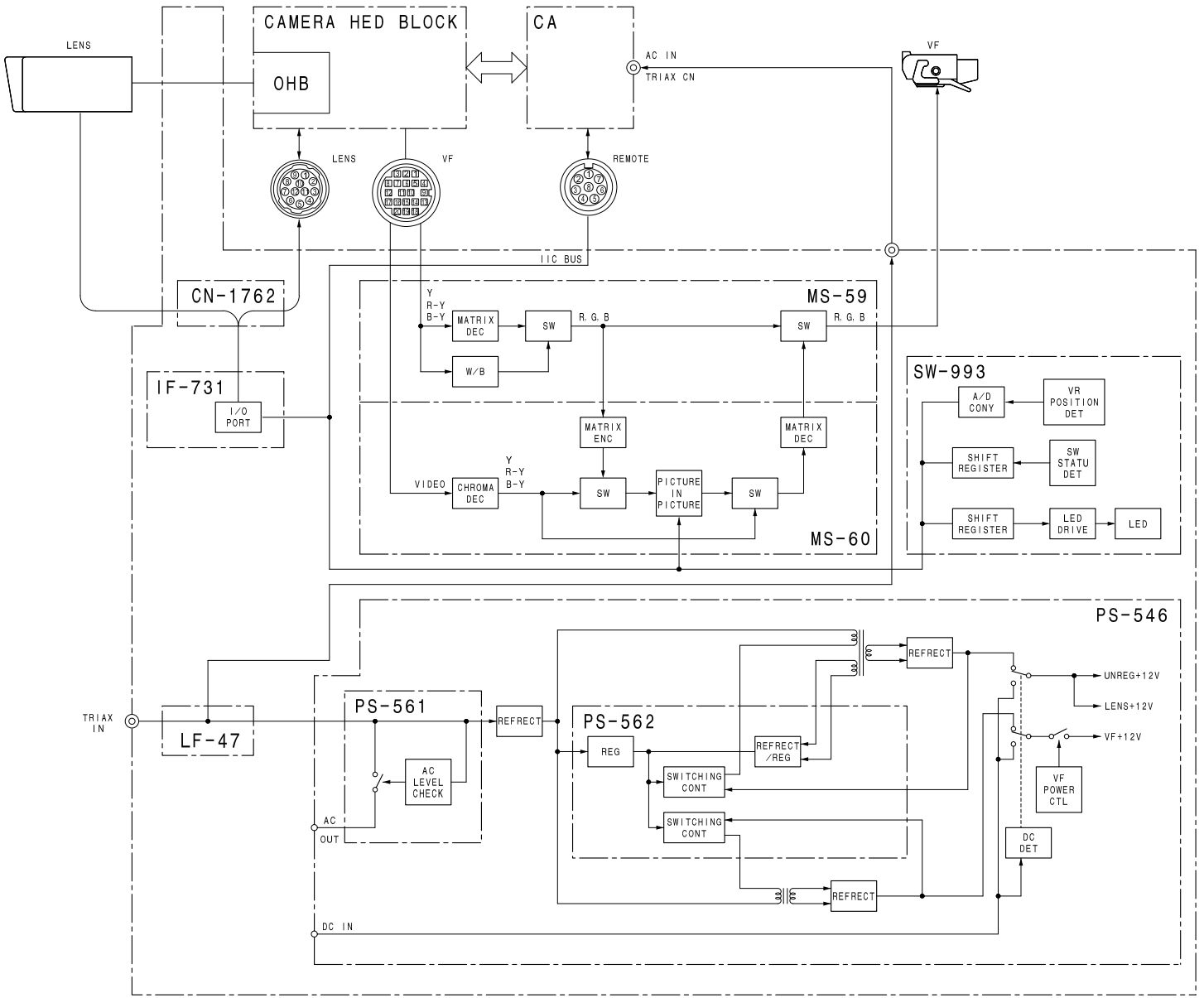
MS-59 board

This board receives the video signal of Y/R-Y/B-Y format from the camera. Input signal is converted to R/G/B signal, then the selected monitor signal is output to the viewfinder.

MS-60 board

This board receives the return video signal of VBS format from the camera. Input signal is converted to Y/R-Y/B-Y signals by the comb filter and the chroma decoder. Obtained signal is converted to R/G/B signals after passing through the PIP circuit for the return video signal, then it is supplied to the MS-59 board as a return video signal.

Section 3
Block Diagram



Overall
CA-905K (UC)
CA-905T (J)
CA-905F (CE)
BKP-9057

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LARGE LENS ADAPTOR

CA-905K
CA-905F
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VIEWFINDER SADDLE
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危険をさけるため，サービストレーニングを受けた技術者のみご使用ください。

設置や保守，点検，修理などを行う前に，別冊のメンテナンスマニュアルPart 1の「安全のために」と別冊のオペレーションマニュアルの「安全のために」を必ずお読みください。

⚠WARNING

This manual is intended for qualified service personnel only.
To reduce the risk of electric shock, fire or injury, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so. Refer all servicing to qualified service personnel.

⚠WARNUNG

Die Anleitung ist nur für qualifiziertes Fachpersonal bestimmt.
Alle Wartungsarbeiten dürfen nur von qualifiziertem Fachpersonal ausgeführt werden. Um die Gefahr eines elektrischen Schlages, Feuergefahr und Verletzungen zu vermeiden, sind bei Wartungsarbeiten strikt die Angaben in der Anleitung zu befolgen. Andere als die angegeben Wartungsarbeiten dürfen nur von Personen ausgeführt werden, die eine spezielle Befähigung dazu besitzen.

⚠AVERTISSEMENT

Ce manual est destiné uniquement aux personnes compétentes en charge de l’entretien. Afin de réduire les risques de décharge électrique, d’incendie ou de blessure n’effectuer que les réparations indiquées dans le mode d’emploi à moins d’être qualifié pour en effectuer d’autres. Pour toute réparation faire appel à une personne compétente uniquement.

Table of Contents

Manual Structure

Purpose of this manual ..... 3 (E)
Related manuals ..... 3 (E)
Contents ..... 4 (E)

1. Service Overview

1-1. Notes on Repair Parts ..... 1-1 (E)
1-2. Replacing Power Assembly ..... 1-2 (E)
1-3. Replacing Fuse ..... 1-4 (E)
1-4. Replacing TRIAX Connector ..... 1-5 (E)
1-5. Replacing LF-47 Board ..... 1-6 (E)
1-6. Replacing Cables ..... 1-7 (E)
1-6-1. TRIAX Cable ..... 1-7 (E)
1-6-2. REMOTE Cable ..... 1-7 (E)
1-6-3. LENS cable ..... 1-8 (E)
1-7. Disconnecting /Connecting Flexible Card Wire ..... 1-9 (E)
1-8. Switch Setting when Replacing the MS-60 Board ..... 1-10 (E)

2. Electrical Alignment

2-1. Preparation ..... 2-1 (E)
2-1-1. Equipment required ..... 2-1 (E)
2-1-2. Notes on adjustment ..... 2-1 (E)
2-1-3. Connection ..... 2-2 (E)
2-1-4. Initial Settings ..... 2-3 (E)
2-2. MS Gain Adjustment ..... 2-4 (E)
2-3. MS RET Y Gain Adjustment ..... 2-6 (E)
2-4. RET 4fsc Adjustment ..... 2-7 (E)
2-5. MS RET CHROMA Adjustment ..... 2-8 (E)
2-6. VF RET R/B Gain Adjustment ..... 2-10 (E)
2-7. VF PHASE Adjustment ..... 2-11 (E)

3. Spare Parts

3-1. Exploded Views 3-1
3-2. Electrical Parts List 3-20
3-3. Supplied Accessories 3-37

4. Semiconductor Pin Assignments

5. Block Diagrams

Overall 5-1
MS-59/60 5-2

6. Schematic Diagrams

CN-1762 6-1
IF-731 6-3
MS-59 6-5
MS-60 6-11
PS-546 6-14
PS-561 6-15
PS-562 6-15
SW-993 6-17
LF-47 6-19
Frame 6-19

7. Board Layouts

IF-731 7-1
MS-59 7-2
MS-60 7-4
PS-546 7-6
PS-561 7-7
PS-562 7-7
SW-993 7-8
CN-1762 7-10
LF-47 7-10

Manual Structure

Purpose of this manual

This manual is the maintenance manual part 2 of Large Lens Adaptor CA-905K/905F and Viewfinder Saddle BKP-9057.
This manual describes the information items on maintenance, and items that premise the service based on the components parts such as service overview, electrical adjustments, parts list, semiconductor pin assignments, block diagrams, schematic diagrams and board layouts, assuming use of system and service engineers.

Related manuals

Besides this “maintenance manual part 2”, the following manuals are available for this unit.

- **CA-905K/905F, BKP-9057 Operation Manual (Supplied with the CA-905K/905F)**
  This manual is necessary for application and operation of this unit.

- **CA-905K/905F, BKP-9057 Maintenance Manual Part 1 (Supplied with the CA-905K/905F)**
  This manual is intended for use by trained system and service engineers, and provides the installation and maintenance information that is necessary at the time of primary service.

- **BKP-9057 Installation Manual (Supplied with BKP-9057)**
  This manual describes the information items necessary when the BKP-9057 is supplied and installed.

- **“Semiconductor Pin Assignments” CD-ROM (Available on request)**
  This “Semiconductor Pin Assignments” CD-ROM allows you to search for semiconductors used in Broadcasting & Professional Systems Company equipment.
  Semiconductors that cannot be searched for on this CD-ROM are listed in the maintenance manual for the corresponding unit. The maintenance manual contains a complete list of all semiconductors and their ID Nos., and thus should be used together with the CD-ROM.
  Part number: 9-968-546-XX

Contents

The following are summaries of all the sections for understanding the contents of this manual.

Section 1 Service Overview

Describes parts replacement procedures and switch setting when replacing the MS-60 board.

Section 2 Electrical Alignment

Describes electrical adjustment procedures.

Section 3 Spare Parts

Describes parts list, exploded views and supplied accessories list used in the unit.

Section 4 Semiconductor Pin Assignments

Describes function diagrams and pin names of semiconductor used in the unit. Use the separate “Semiconductor Pin Assignments” CD-ROM together with this manual.

Section 5 Block Diagrams

Describes overall block diagram, and the block diagrams for BKP-9057.

Section 6 Schematic Diagrams

Describes schematic diagrams for every circuit board.

Section 7 Board Layouts

Describes board layouts for every circuit board.

Section 1
Service Overview

1-1. Notes on Repair Parts

1. Safety Related Components Warning

WARNING

Components marked ⚠ are critical to safe operation. Therefore, specified parts should be used in the case of replacement.

2. Standardization of Parts

Some repair parts supplied by Sony differ from those used for the unit. These are because of parts commonality and improvement.
Parts list has the present standardized repair parts.

3. Stock of Parts

Parts marked with “o” at SP (Supply Code) column of the spare parts list may not be stocked. Therefore, the delivery date will be delayed.

4. Destination Representation

The part indicated “For J/UC/CE” in the spare parts list is used in the unit written below.

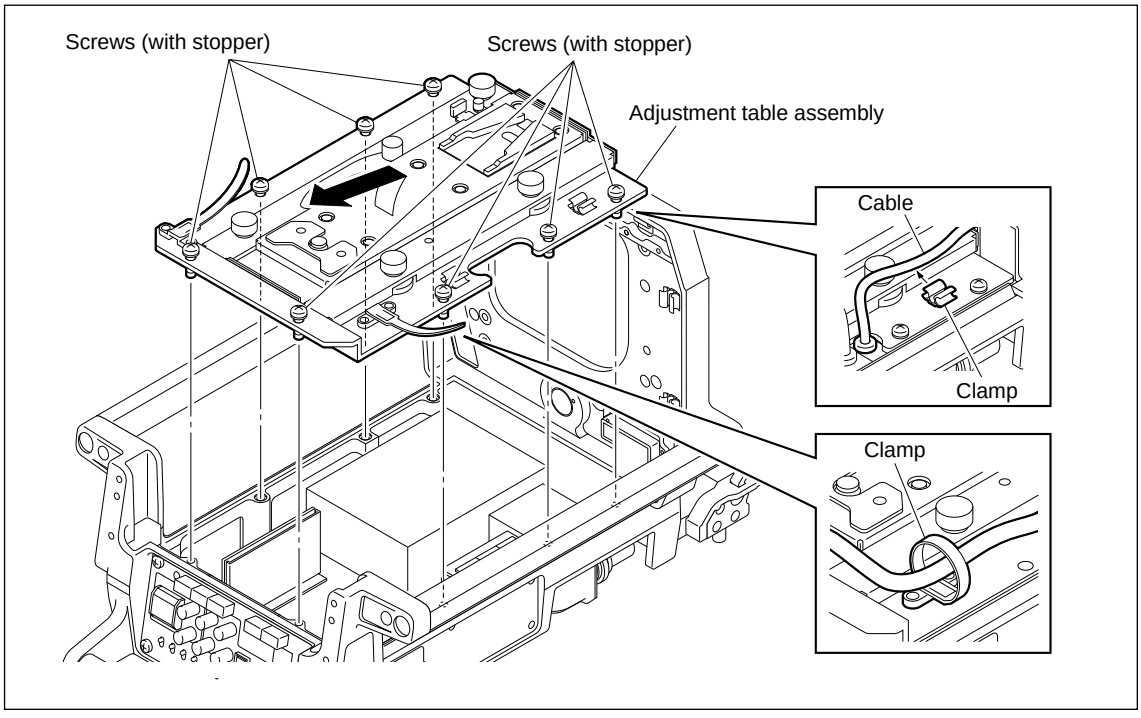
For J: The part is used in a unit for Japan.
For UC: The part is used in a unit for the U.S.A. and Canada.
For CE: The part is used in a unit for regions except the above countries.

1-2. Replacing Power Assembly

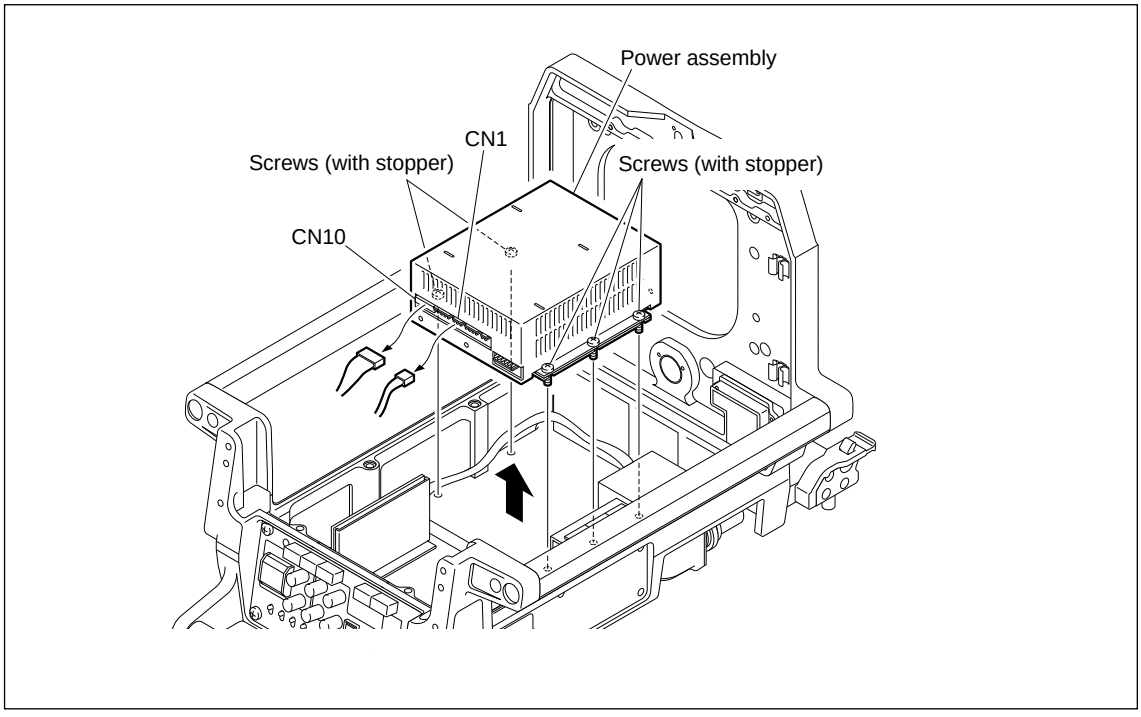
1. Power off the CCU and pull out the triax cable from this unit.
2. Remove cables from the clamps.
3. Loosen the eight screws, and remove the adjustment table assembly in the arrow direction.

   Note

   Put the removed adjustment table assembly upside down.



4. Loosen the five screws.
5. Disconnect connectors CN1 and CN10, and remove the power assembly.

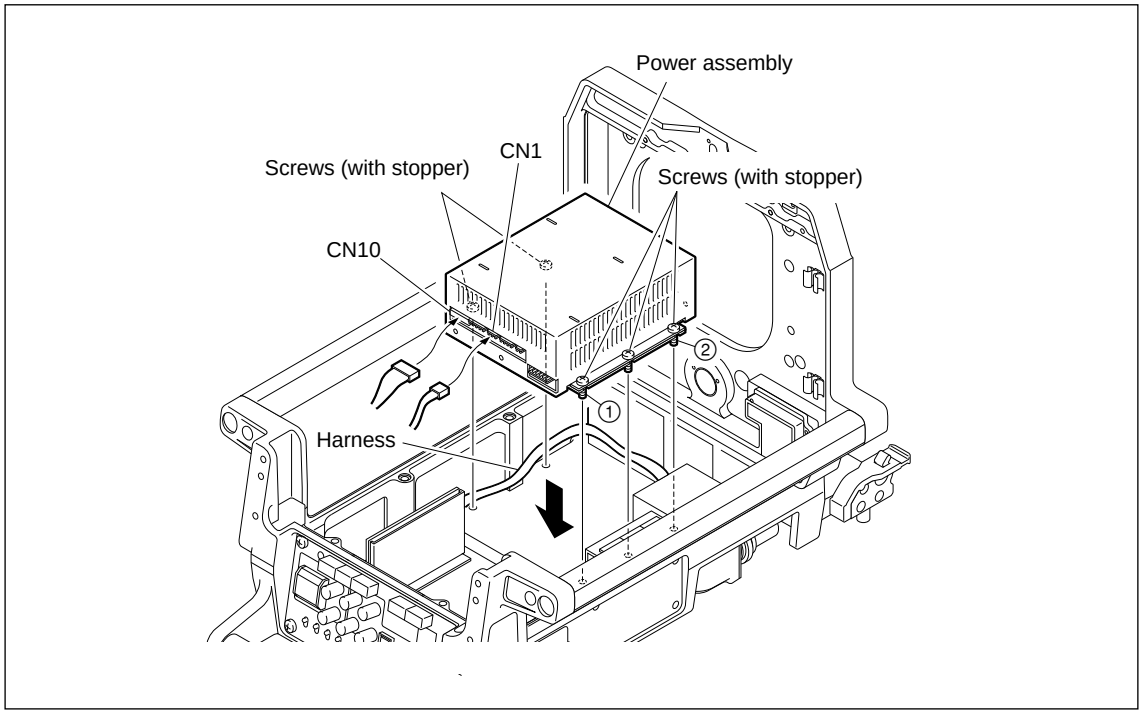


6. Replace the power assembly and secure it with the five screws.

Note

- Pay attention not to catch the harness in the chassis.
- Be sure to secure the screws ① and ② first in order as shown in the figure.

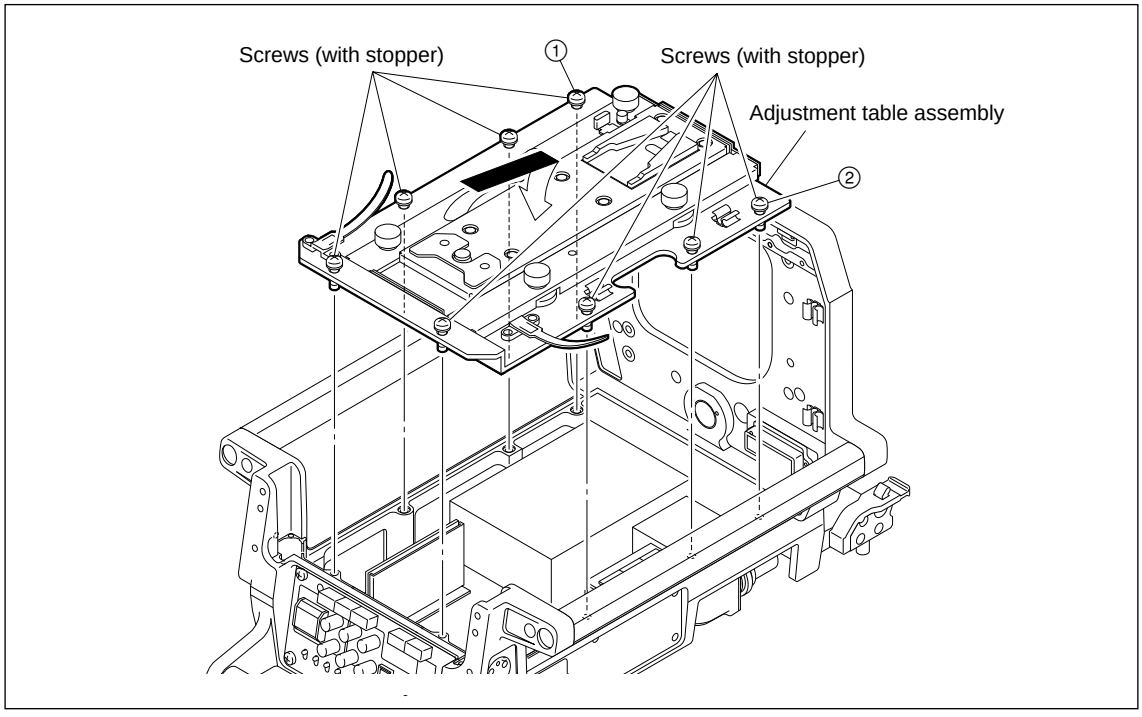
7. Connect connectors CN1 and CN10.



8. Attach the adjustment table assembly and secure it with the eight screws.

Note

- Be sure to secure the screws ① and ② first in order as shown in the figure.



1-3. Replacing Fuse

WARNING

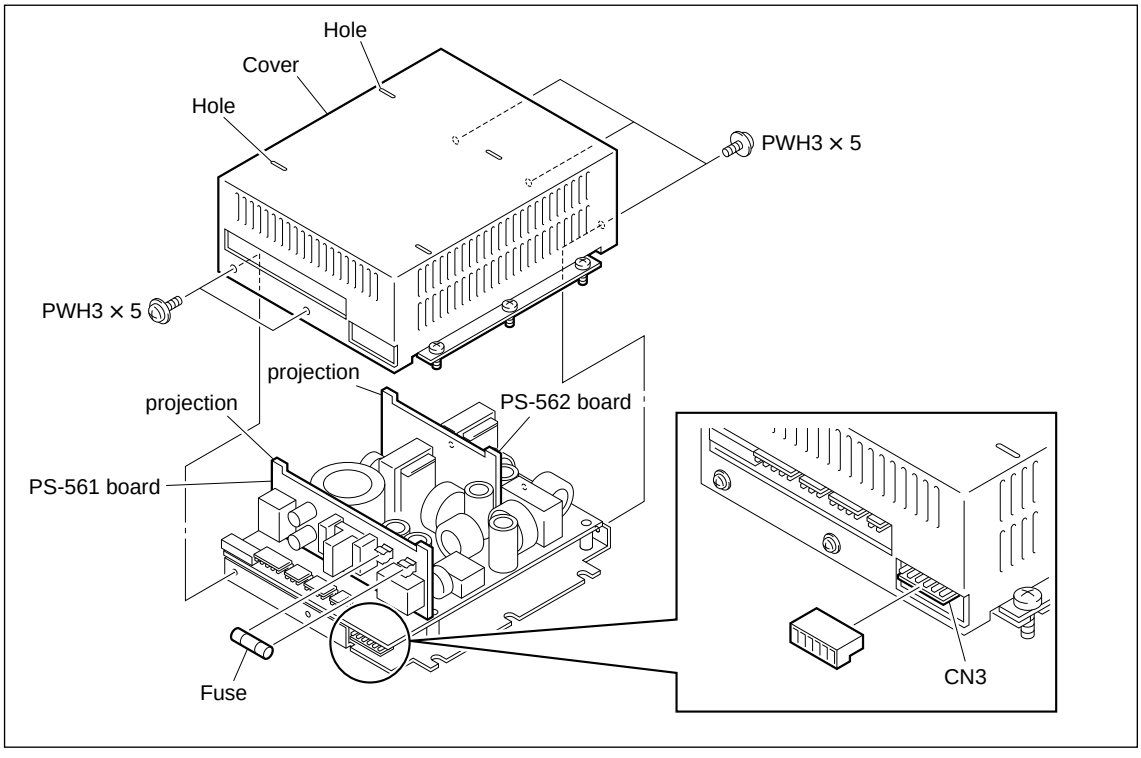
The fuse is critical for safe operation. Be sure to replace it with the specified part to avoid the danger of a fire or electric shock.

When replacing, be sure to use the specified part.
FUSE (H. B. C) 2.0 A 250 V : ⚠1-576-228-11

1. Turn off the CCU and pull out the triax cable from this unit.
2. Remove the adjustment table assembly. (Refer to section 1-2.)
3. Remove the power assembly. (Refer to section 1-2.)
4. Disconnect connector CN3 from the power assembly.
5. Remove the five screws, and remove the cover.
6. Remove fuse from the PS-561 board, and replace it with new one.
7. Assemble the unit in the reverse order of steps 2 through 5.

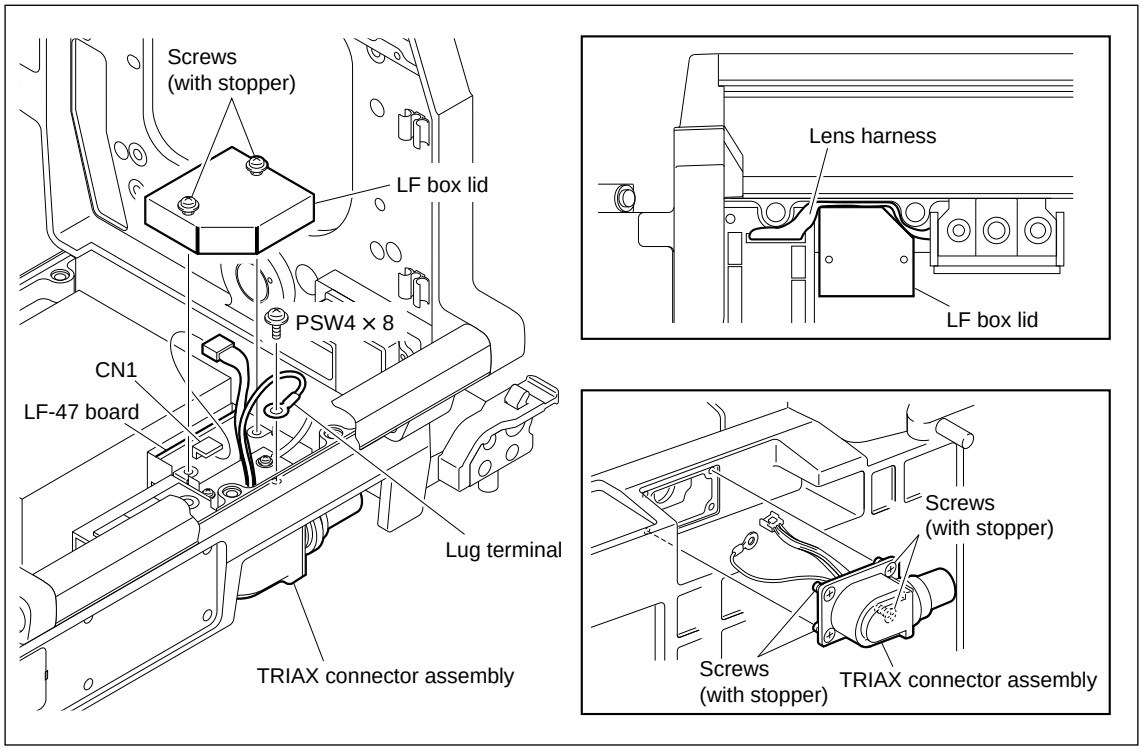
Note

When attaching the cover, align the projection sections of the PS-561 board and PS-562 board with a hole on the cover.

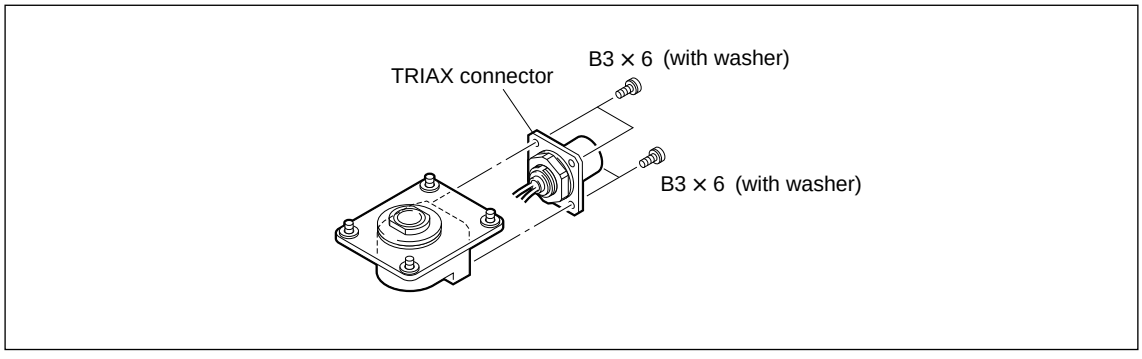


1-4. Replacing TRIAX Connector

1. Remove the adjustment table assembly. (Refer to section 1-2.)
2. Loosen the two screws, and remove the LF box lid.
3. Remove the screw, and remove the lug terminal of the TRIAX connector.
4. Disconnect connector CN1 from the LF-47 board.
5. Loosen the four screws, and remove the TRIAX connector assembly from the unit.



6. Remove the four screws, and remove the TRIAX connector.



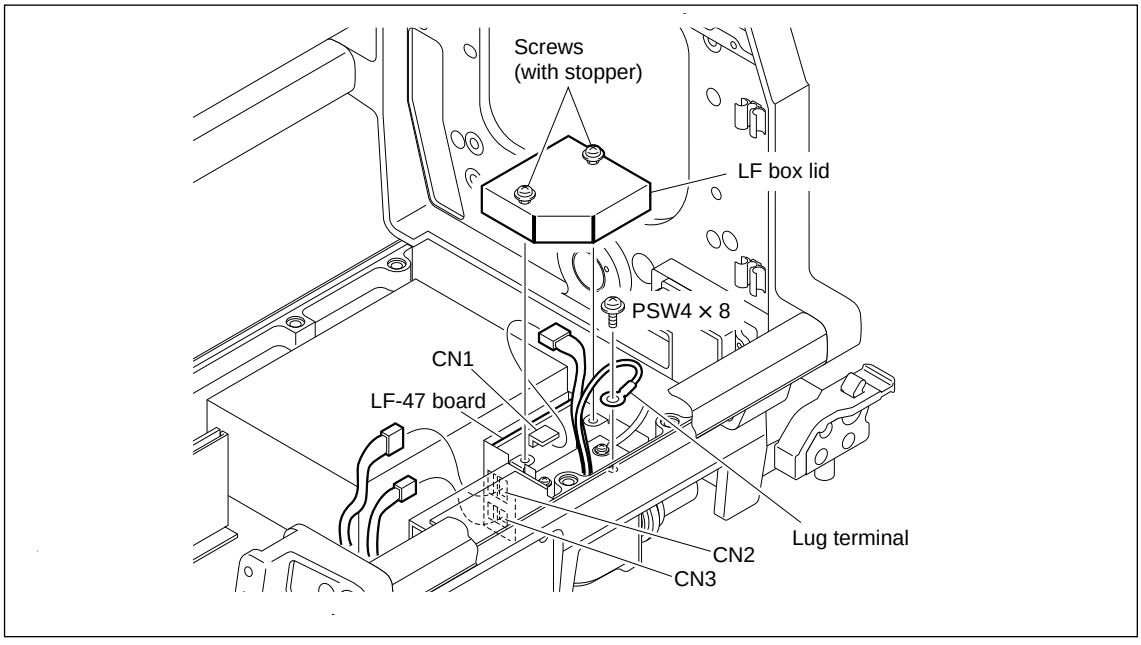
7. After replacing the TRIAX connector, assemble the unit in the reverse order of steps 1 through 6.

Note

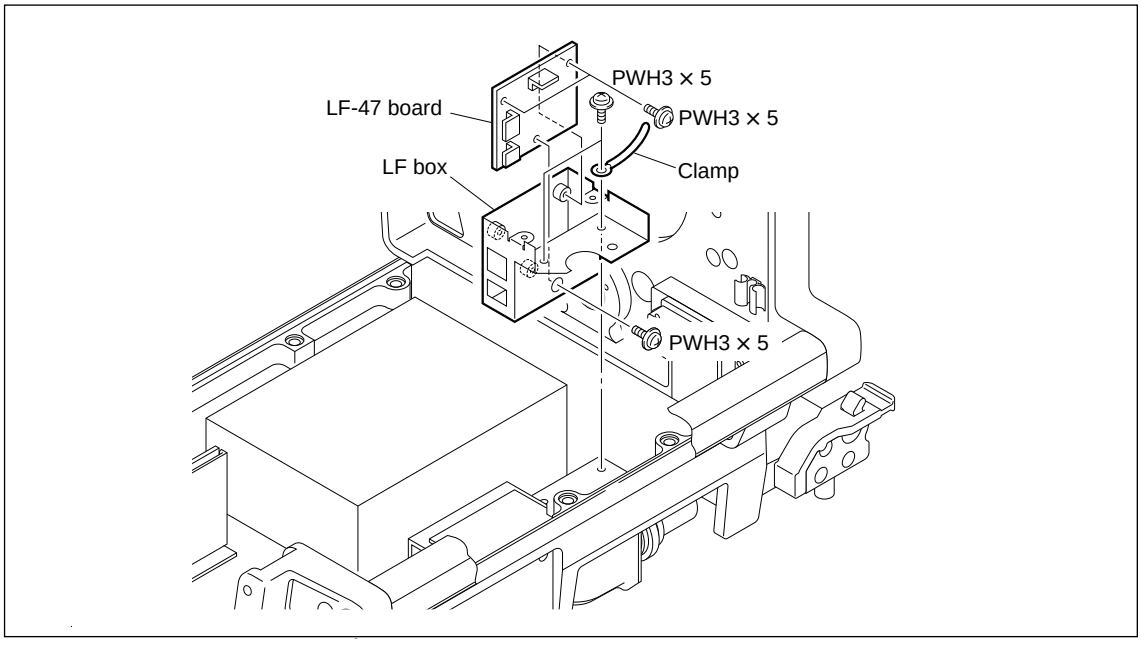
When attaching the LF box lid, pay attention not to catch the LENS harness in it.

1-5. Replacing LF-47 Board

1. Remove the adjustment table assembly. (Refer to section 1-2.)
2. Loosen the two screws, and remove the LF box lid.
3. Disconnect connectors CN1, CN2, and CN3 from the LF-47 board.
4. Remove the screw, and remove the lug terminal of the TRIAX connector.



5. Remove the two screws, and remove the LF box.
6. Remove the three screws, and remove the LF-47 board.



7. After replacing the LF-47 board, assemble the unit in the reverse order of steps 1 through 6.

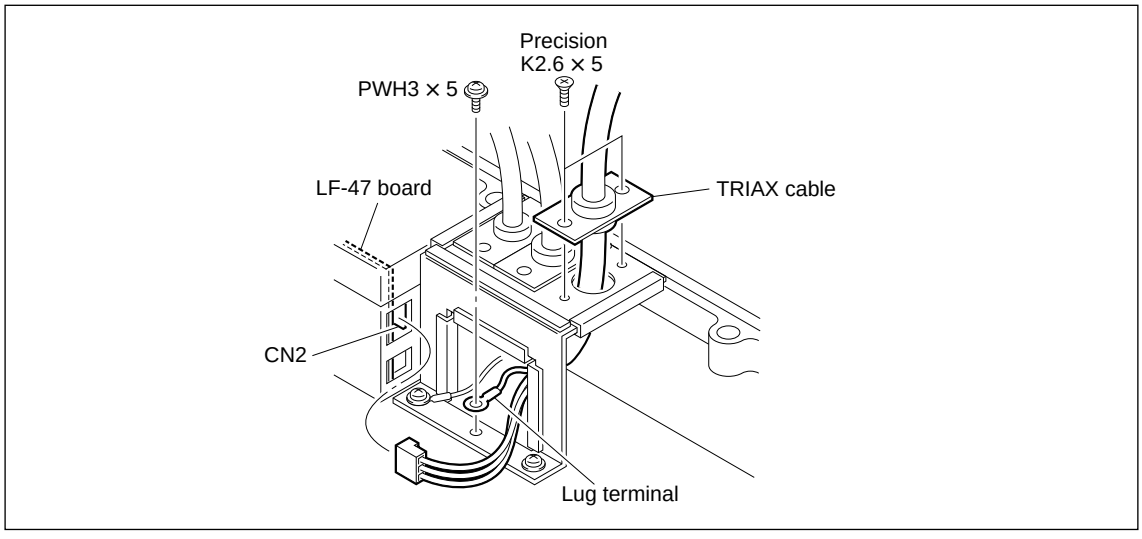
Note

When attaching the LF box lid, pay attention not to catch the harness in it.

1-6. Replacing Cables

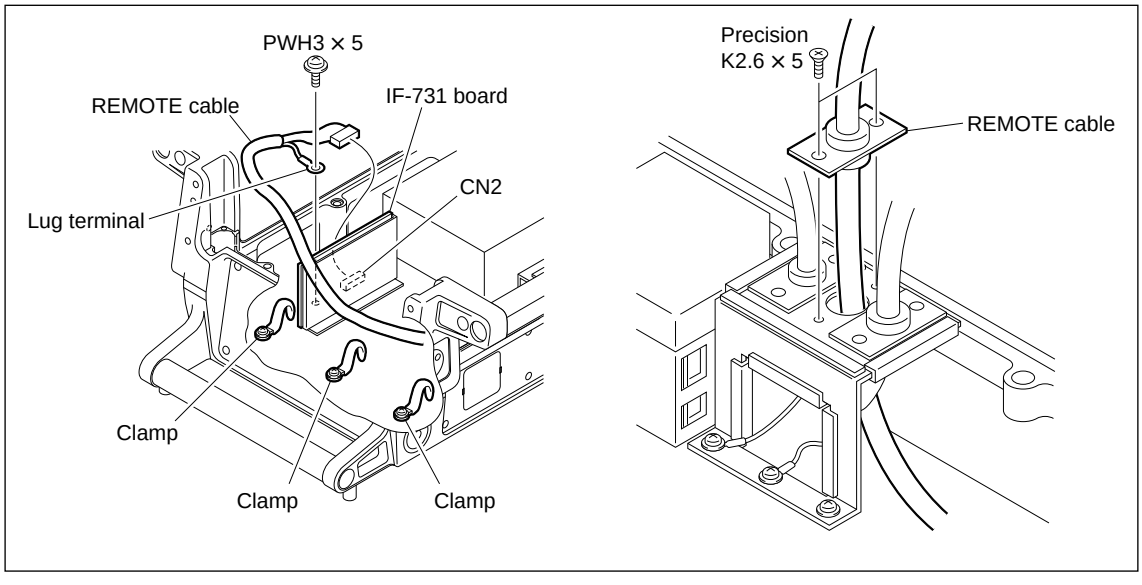
1-6-1. TRIAX Cable

1. Remove the adjustment table assembly. (Refer to section 1-2.)
2. Disconnect connector CN2 from the LF-47 board.
3. Remove the screw (PWH3 × 5), and remove the lug terminal of the TRIAX cable.
4. Remove the two screws (Precision K2.6 × 5), and disconnect the TRIAX cable.
5. After replacing the TRIAX cable, assemble the unit in the reverse order of steps 1 through 4.



1-6-2. REMOTE Cable

1. Remove the adjustment table assembly. (Refer to section 1-2.)
2. Disconnect connector CN2 from the IF-731 board.
3. Remove the screw (PWH3 × 5), and remove the lug terminal of the REMOTE cable.
4. Remove the cable from the three clamps.
5. Remove the two screws (Precision K2.6 × 5), and remove the REMOTE cable.
6. After replacing the REMOTE cable, assemble the unit in the reverse order of steps 1 through 5.

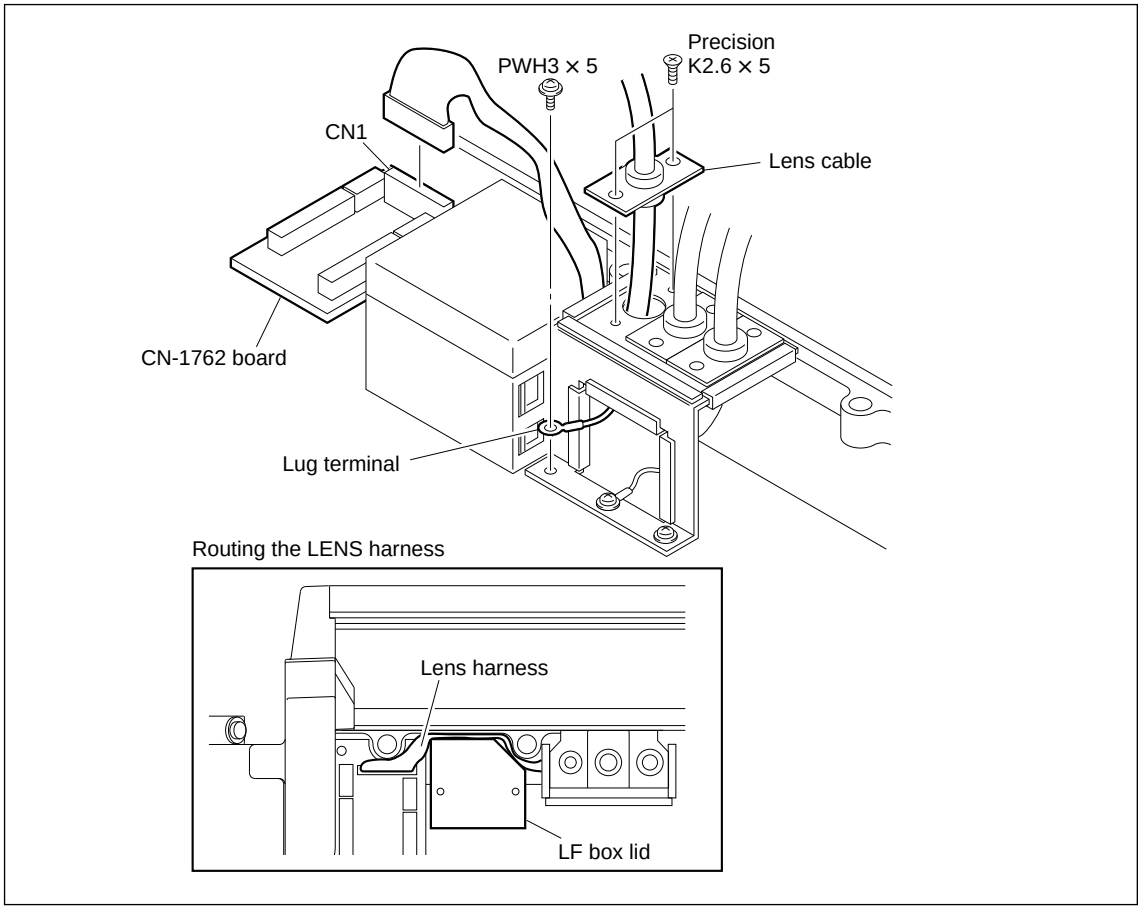


1-6-3. LENS cable

1. Remove the adjustment table assembly. (Refer to section 1-2.)
2. Disconnect connector CN1 from the CN-1762 board.
3. Remove the screw (PWH3 × 5), and remove the lug terminal of the LENS cable.
4. Remove the two screws (Precision K2.6 × 5), and remove the LENS cable.
5. After replacing the LENS cable, assemble the unit in the reverse order of steps 1 through 4.

Note

When routing the LENS harness, see the figure below.



1-7. Disconnecting /Connecting Flexible Card Wire

The flexible card wire is used between the IF-731 board and SW-993 board. Take care not to crimp it.
It shorten the wire life.

Disconnecting

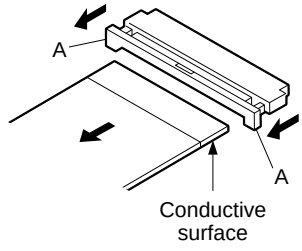
1. Turn off the power of the CCU or camera.
2. Slide section A in the direction of the arrow, and disconnect the flexible card wire.

Connecting

Notes at connection

- Be careful not to insert the flexible card wire obliquely.
- Check that the conductive surface of the flexible card wire is not soiled with dust.

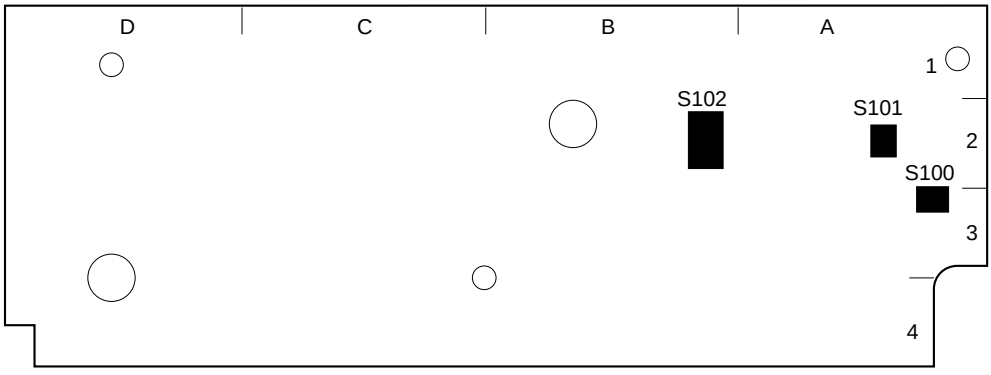
1. Insert the flexible card wire as far as it will go.
2. Push the portions A in the opposite direction of the arrow to secure the flexible card wire.



1-8. Switch Setting when Replacing the MS-60 Board

MS-60 board (BKP-9057)

When replacing the MS-60 board used in the CA-905F, be sure to set up switches on the MS-60 board according to the following table.



MS-60 board B side

Ref No.		Switch name	Description	CA-905K (Factory setting)	CA-905F
S100		COMB FILTER NTSC/PAL SELECT			
	S100-1	NTSC/PAL	ON: NTSC OFF: PAL	ON	OFF
	S100-2	SPARE	——	OFF	OFF
S101		CRYSTAL OSCILLATOR SELECT			
	S101-1	NTSC	ON: NTSC OFF: PAL	ON	OFF
	S101-2	PAL	ON: PAL OFF: NTSC	OFF	ON
S102		CHROMA DECODER SETTING			
	S102-1	BURST GATE WIDTH	ON: NTSC OFF: PAL	ON	OFF
	S102-2	COLOR SATURATION CONTROL	ON: NTSC OFF: PAL	ON	OFF
	S102-3	TINT CONTROL	——	OFF	OFF
	S102-4	NTSC/PAL SELECT	ON: PAL OFF: NTSC	OFF	ON
	S102-5	HD PULSE	ON: NTSC OFF: PAL	ON	OFF
	S102-6	HD PULSE	ON: PAL OFF: NTSC	OFF	ON

Section 2
Electrical Alignment

Perform the adjustment when replacing the MS-59 board or MS-60 board.

2-1. Preparation

2-1-1. Equipment required

Equipment

- Frequency counter: Advantest TR5821AK or equivalent
- Oscilloscope: Tektronix 2465 or equivalent
- Extension harness Sony Part No.; A-8323-861-A

Peripheral equipment

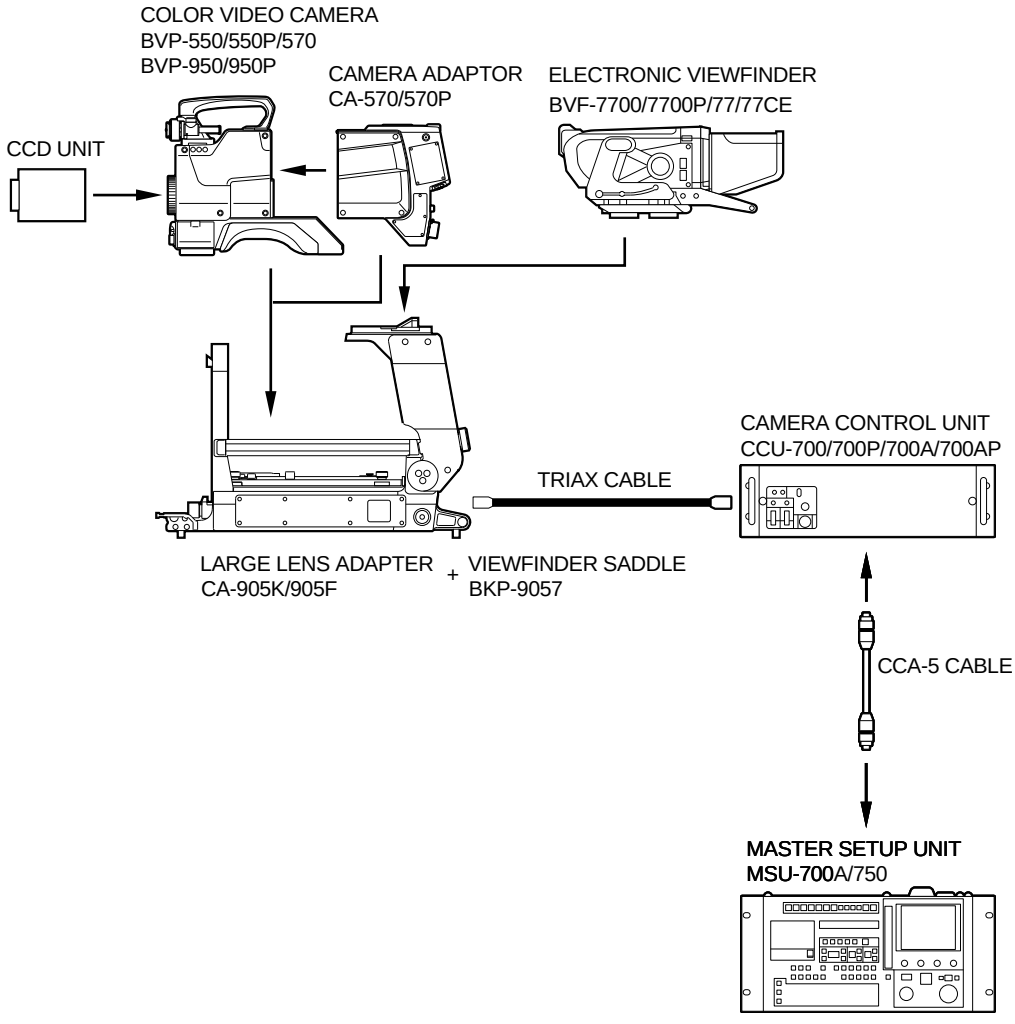
- Color video camera: BVP-950/950P/550/550P/570
- Camera adaptor: CA-570/570P
- CCD unit: OHB-450/550 Series (BVP-550/550P/570)
  OHB-730/750 Series (BVP-950)
- Camera control unit: CCU-700/700P/700A/700AP*1
- Master setup unit: MSU-700A/750*2
- TRIAX cable (Reference:150 m)
- Viewfinder: BVF-7700/7700P/77/77CE

*1: Represented as “CCU” simply for convenience in writing in this section.
*2: Represented as “MSU” simply for convenience in writing in this section.

2-1-2. Notes on adjustment

- All measuring equipment should be calibrated.
- All the adjustment of peripheral equipment (OHB, CCU, MSU) should be completed.
- As for initial settings before beginning adjustment, refer to section 2-1-4.
- Be sure to power off the CCU before extending the board.
- Before adjustment, allow for more than 10 minutes warm-up time.
- Use a plastic (or ceramic) core driver to adjust ⊘CT.
- Never change the setting of ⊘RV100, ⊘RV200 and ⊘RV300 on the MS-59 board. These are factory-used only. (Factory setting: ↻ Fully clockwise)
- Never change the setting of ⊘RV500 on the MS-59 board. It is factory-used only. (Factory setting: Mechanical center)

2-1-3. Connection



2-1-4. Initial Settings

MS-60 board (BKP-9057)

Refer to Section 1-8, and perform the switch setting.

MSU Operation Panel

- Power/Signal output select buttons
  - ALL button → OFF (dark)
  - CAM PW button → ON (lit)
  - VF PW button → ON (lit)
  - TEST 1 button → OFF (dark)
  - TEST 2 button → OFF (dark)
  - BARS button → OFF (dark)
  - CLOSE button → ON (lit)
- Camera/CCU function ON/OFF buttons
  - KNEE OFF button → OFF (lit)
  - DETAIL OFF button → OFF (lit)
  - LEV DEP OFF button → OFF (lit)
  - MATRIX OFF button → OFF (lit)
  - AUTO KNEE button → OFF (dark)
  - SKIN DETAIL button → OFF (dark)
- Others
  - GAMMA OFF button → ON (dark)
  - MASTER GAIN button → 0 (0 dB)
  - FILTER button (ND) → 1 (lit)
  - FILTER button (CC) → B (lit)
- Menu operation block (touch panel)
  - PAINT button → ON

  [△] → (2/3) [White Clip] → [White Clip Off]

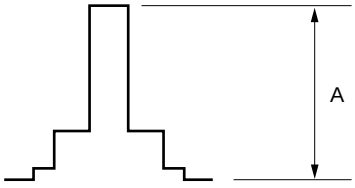
2-2. MS Gain Adjustment

Preparation

- BARS button/MSU → OFF
- TEST 2 button/MSU → ON
- Video signal select button/CA-905 rear panel → All OFF

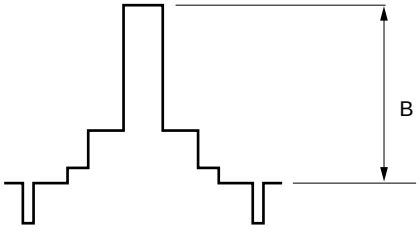
Adjustment procedure

1. Equipment: Oscilloscope
   Test point: A7/CN1 (Y IN) / MS-59 board
   GND: E100 / MS-59 board
   Adj. point: ◓G WHITE level control/MSU
   Specification: A = 714 ±10 mV



2. Video signal select button/CA-905 rear panel → G

3. Equipment: Oscilloscope
   Test point: B12/CN3 (VF G VIDEO OUT) / MS-59 board
   Adj. point: ◓RV501 (R/G/B LEVEL) /MS-59 board
   Specification: B = 714 ±10 mV [NTSC]
   B = 700 ±10 mV [PAL]

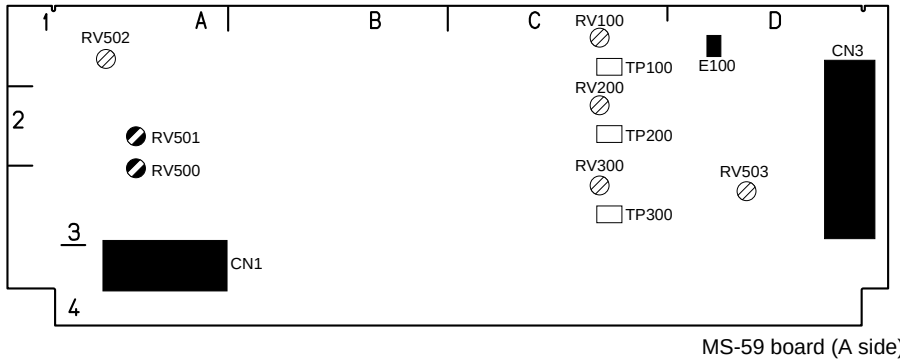


4. Video signal select button/CA-905 rear panel → All ON

5. Equipment: Oscilloscope
   Test point: B12/CN3 (VF G VIDEO OUT) / MS-59 board
   Adj. point: ⊘RV500 (Y LEVEL) /MS-59 board
   Specification: B = 714 ±10 mV [NTSC]
   B = 700 ±10 mV [PAL]

Settings after adjustment

• G WHITE level control/MSU → 0



MS-59 board (A side)

2-3. MS RET Y Gain Adjustment

Note

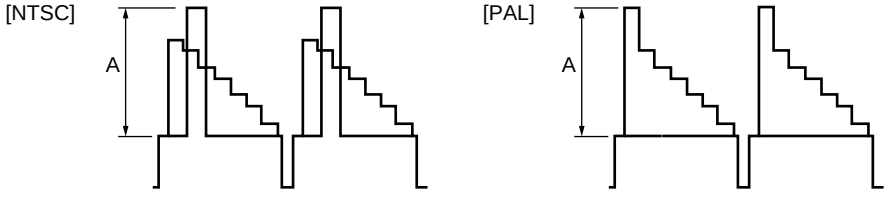
- Adjustment of CCU must be completed.

Preparation

- BARS button/MSU → ON
- GAMMA OFF button/MSU → ON (dark)
- RET 1 button/CA-905 rear panel → ON
- Connect between VBS 1 OUT connector and RET 1 IN connector/CCU rear panel with a BNC cable (terminated with 75 Ω).
- Extend the MS-59 board with the extension harness.

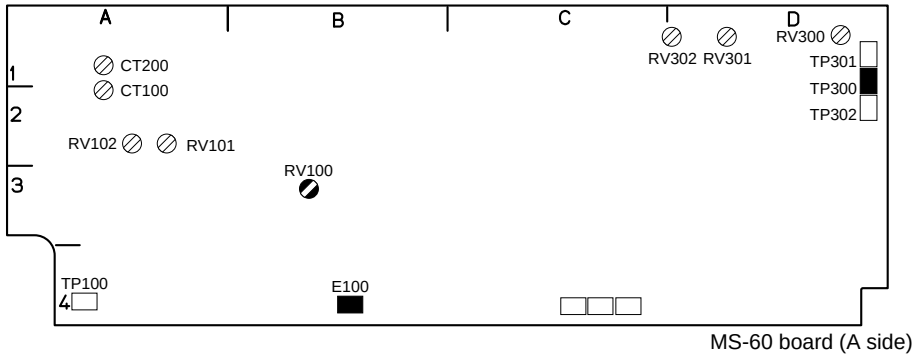
Adjustment procedure

1. Equipment: Oscilloscope
   Test point: TP300/MS-60 board
   GND: E100/MS-60 board
   Adj. point: ◓RV100 (Y GAIN) /MS-60 board
   Specification: A = 500 ±5 mV



Settings after adjustment

- Disconnect the BNC cable from RET 1 IN connector/CCU rear panel.



MS-60 board (A side)

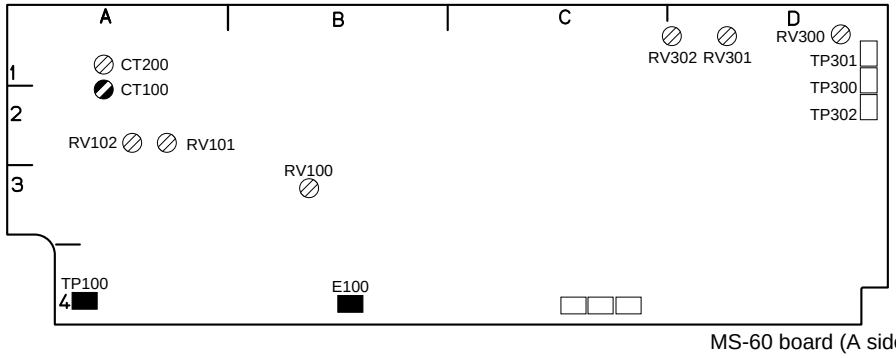
2-4. RET 4fsc Adjustment

Note

- Confirm the switch setting on the MS-60 board. (Refer to section 1-8.)
- Before adjustment, allow for more than 10 minutes warm-up time.
- Make sure that the RET 1 IN through RET 4 IN connectors are no input.
- Extend the MS-59 board with the extension harness.

Adjustment procedure

1. Equipment: Frequency counter
   Test point: TP100/MS-60 board
   GND: E100/MS-60 board
   Adj. point: ⊘CT100 (4FSC) /MS-60 board [NTSC]
   ⊘CT200 (4FSC) /MS-60 board [PAL]
   Specification: 14,318,180 ±10 Hz [NTSC]
   17,734,475 ±10 Hz [PAL]



MS-60 board (A side)

2-5. MS RET CHROMA Adjustment

Note

- Adjustment of CCU must be completed

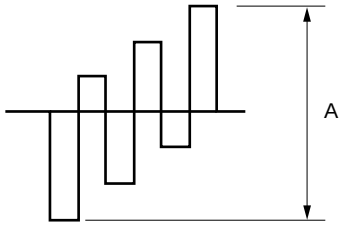
Preparation

- BARS button/MSU → ON
- RET 1 button/CA-905 rear panel → ON
- Connect between VBS 1 OUT connector and RET 1 IN connector/CCU rear panel with a BNC cable (terminated with 75 Ω).
- Extend the MS-59 board with the extension harness.

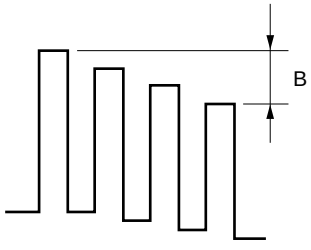
Adjustment procedure

1. Equipment: Oscilloscope
   Test point: TP302/MS-60 board
   GND: E100/MS-60 board
   Adj. point: ⊘RV102 (TINT) /MS-60 board
   Specification: Adjust the waveform as the following figure (coarse adjustment)

2. Equipment: Oscilloscope
   Test point: TP302/MS-60 board
   GND: E100/MS-60 board
   Adj. point: ⊘RV101 (CHROMA) /MS-60 board
   Specification: A = 538 ±5 mV

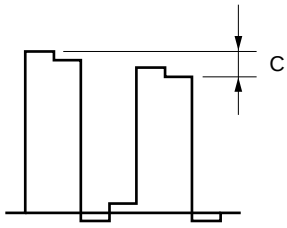


3. Equipment: Oscilloscope
   Test point: TP300/MS-59 board
   GND: E100/MS-59 board
   Adj. point: ⊘RV102 (TINT) /MS-60 board
   Specification: B = 0 ±25 mV

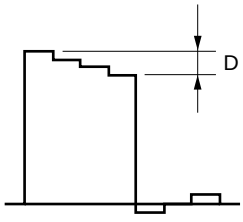


4. Repeat steps 2 and 3 until the specifications A and B are met.

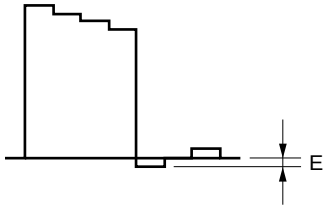
5. Equipment: Oscilloscope
   Test point: TP100/MS-59 board
   GND: E100/MS-59 board
   Adj. point: ⊘RV103 (R-Y GAIN) /MS-60 board
   Specification: C = 0 ±25 mV



6. Equipment: Oscilloscope
   Test point: TP200/MS-59 board
   GND: E100/MS-59 board
   Specification: D = 0 ±30 mV



7. Equipment: Oscilloscope
   Test point: TP200/MS-59 board
   GND: E100/MS-59 board
   Adj. point: ⊘RV300 (SYNC SEP) /MS-60 board
   Specification: E = 0 ±10 mV



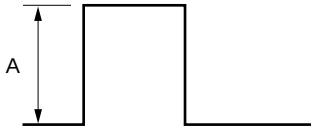
2-6. VF RET R/B Gain Adjustment

Preparation

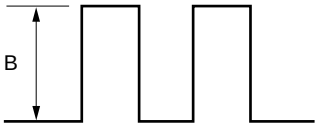
• RET1 button/CA-905 rear panel → ON

Adjustment procedure

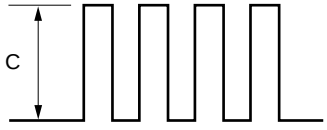
1. Equipment: Oscilloscope
   Test point: TP200/MS-59 board
   Measure the level A

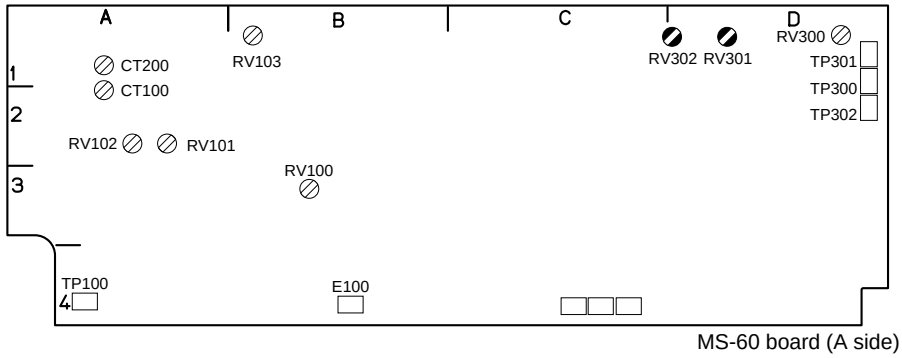


2. Equipment: Oscilloscope
   Test point: TP100/MS-59 board
   Adj. point: ◓RV301 (RET R GAIN) /MS-60 board
   Specification: B = A



3. Equipment: Oscilloscope
   Test point: TP300/MS-59 board
   Adj. point: ◓RV302 (RET B GAIN) /MS-60 board
   Specification: C = A





MS-60 board (A side)

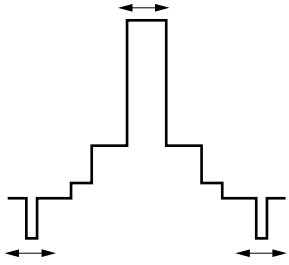
2-7. VF PHASE Adjustment

Preparation

- BARS button/MSU → OFF
- TEST 2 button/MSU → ON

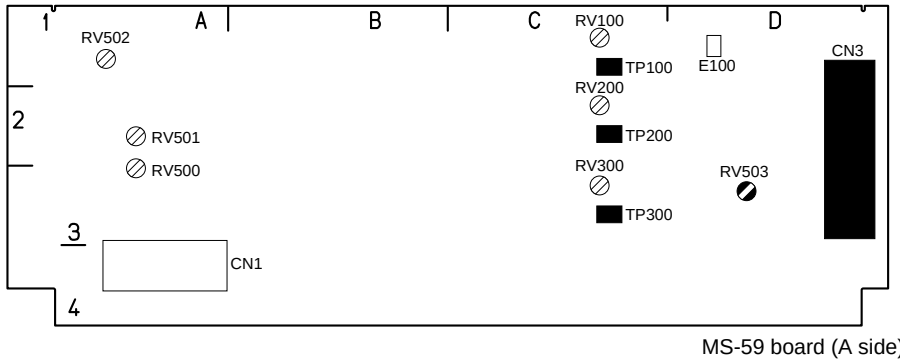
Adjustment procedure

1. Equipment: Oscilloscope
   Test point: B12/CN3 (VF G VIDEO OUT) /MS-59 board
   Adj. point: ⊘RV503 (VF PHASE) /MS-59 board
   Specification: Adjust that the waveform does not change even if RET 1 button/CA-905 rear panel is turned to ON/OFF.



Settings after adjustment

- Disconnect the BNC cable from RET 1 IN connector/CCU rear panel.



MS-59 board (A side)

Section 3
Spare Parts

3-1. Exploded Views

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HARDWARE LIST
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Part No.    SP Description

7-621-255-45 s SCREW +P 2X6 (EP-FE/ZN/CM2)
7-621-759-40 s SCREW +PSW 2.6X6(EP-FE/ZNBK/CM
7-621-772-38 s SCREW +B2X6(EP-FE/CU,NI,CR)
7-621-775-20 s SCREW +B2.6X5(EP-FE/ZNBK/CM2)
7-623-508-01 s EARTH LUG 3(TERMINAL)

7-623-710-17 s WASHER,WAVE (4MM)      (STEEL)
7-623-710-97 s WASHER 18, WABE TYPE
7-623-923-01 s WASHER,POLYETHYLENE 2.6
7-623-930-01 s WASHER,PLASTIC (12X0.5)
7-623-930-11 s WASHER 12, NYLON

7-623-954-21 s WASHER 3.0, FIBER
7-624-106-04 s RING,RETAINING,E (3MM)
7-624-209-00 s RING,O P-5              (RBR)
7-627-454-38 s SCREW +K2.6X5(EP-FE/ZNBK/CM2)
7-627-553-47 s SCREW, PRECISION +P2X4(EP-FE/CU,NI,CR)

7-627-553-68 s SCREW, PRECISION +P2X6(EP-FE/ZNBK/CM2)
7-627-553-98 s SCREW, PRECISION +P2X8(EP-FE/ZNBK/CM2)
7-627-554-18 s SCREW, PRECISION +P2X3.5(EP-FE/ZNBK/CR2)
7-627-556-58 s SCREW, PRECISION +P2.6X5(EP-FE/ZNBK/CM2)
7-682-247-04 s SCREW +K 3X6(EP-FE/CU,NI,CR)

7-682-248-04 s SCREW +K 3X8(EP-FE/CU,NI,CR)
7-682-263-04 s SCREW +K 4X12(EP-FE/CU,NI,CR)
7-682-277-09 s SCREW +K 5X14(EP-FE/ZNBK/CM2)
7-682-544-04 s SCREW +B3X3(EP-FE/CU,NI,CR)
7-682-547-09 s SCREW +B3X6(EP-FE/ZNBK/CM2)

7-682-548-04 s SCREW +B3X8(EP-FE/CU,NI,CR)
7-682-552-09 s SCREW +B3X16(EP-FE/ZNBK/CM2)
7-682-560-09 s SCREW +B4X6(EP-FE/ZNBK/CM2)
7-682-561-04 s SCREW +B4X8(EP-FE/CU,NI,CR)
7-682-563-09 s SCREW +B4X12(EP-FE/ZNBK/CM2)

7-682-574-09 s SCREW +B5X8(EP-FE/ZNBK/CM2)
7-682-903-01 s SCREW +PWH 3X5(EP-FE/ZN/CM2)
7-682-903-21 s SCREW +PWH 3X8(EP-FE/ZN/CM2)
7-682-961-01 s SCREW +PSW 4X8(EP-FE/ZN/CM2)
7-688-001-01 s WASHER W2 SMALL(EP-FE/ZN/CM2)

7-688-002-12 s WASHER W2.6(W)(EP-FE/ZNBK/CM2)
7-688-004-12 s WASHER W4 (M)(EP-FE/ZNBK/CM2)
7-688-007-11 o WASHER (8)EP-FE/ZN/CM2(MIDDLE)
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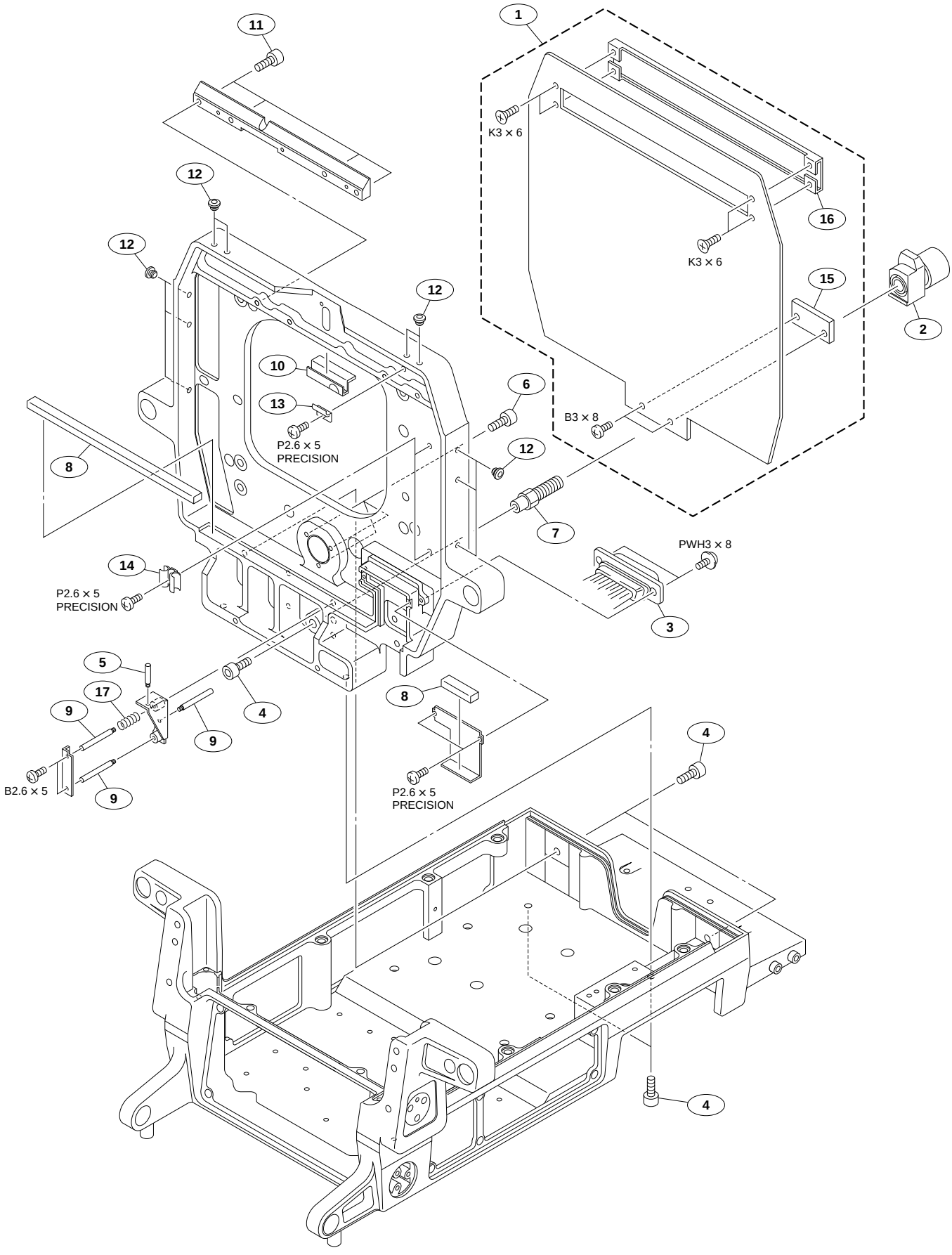
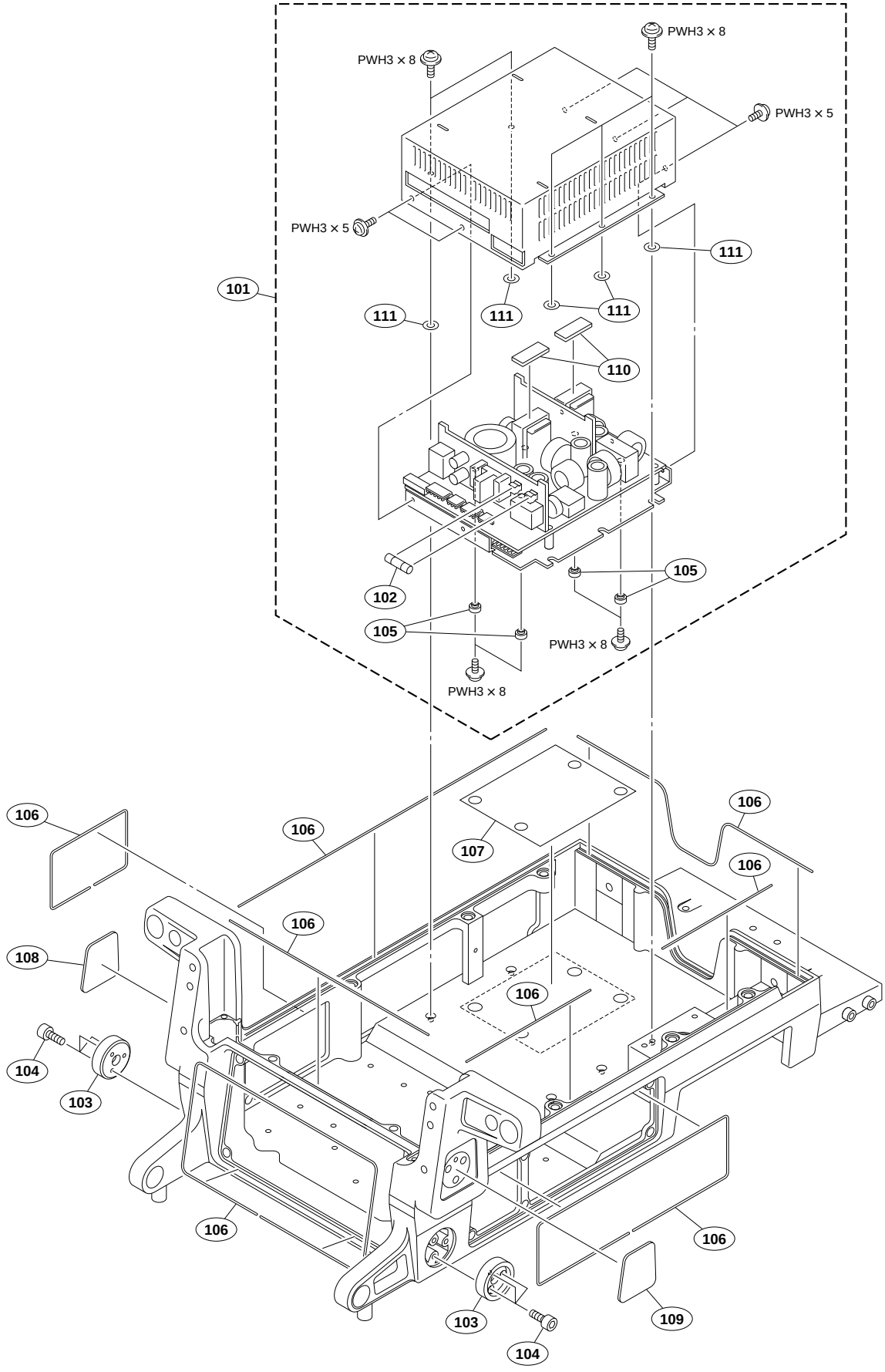
Front Block


1
11
K3 × 6
16
12
K3 × 6
12
15
2
12
10
6
13
B3 × 8
P2.6 × 5
PRECISION
12
8
7
PWH3 × 8
14
P2.6 × 5
PRECISION
3
5
17
8
4
9
9
4
B2.6 × 5
9
P2.6 × 5
PRECISION
4
4

No.	Part No.	SP	Description
1	A-7612-327-A	o	COVER ASSY, FRONT
2	X-3692-305-1	o	RETAINER ASSY,LENS
3	1-953-627-12	o	HARNESS (LENS)
4	2-391-520-21	s	BOLT (M5X12),HOLE, HEXAGON(ST)
5	2-528-650-00	o	BOSS (B)
6	2-623-773-11	s	BOLT (M3X8),STAINLESS
7	3-185-912-01	o	SHAFT M10
8	3-615-750-61	s	SHIELD CUSHION (C)
9	3-622-463-01	o	SHAFT 4X32
10	3-622-558-01	o	RUBBER,PROTECTION
11	3-657-705-41	s	BOLT(M4X12),HEXAGON HOLE (ST)
12	3-673-018-11	s	SCREW, BLIND (PLA)
13	3-678-684-00	o	HOLDER,CABLE
14	3-679-659-03	o	CLAMP,CABLE (PP)
15	3-692-571-01	o	PAD
16	3-692-573-01	o	COVER,EDGE
17	3-735-026-01	o	SPRING,COMPRESSION (COIL) (ST)

Power Block


PWH3 × 8
PWH3 × 8
PWH3 × 5
PWH3 × 5
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111
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111
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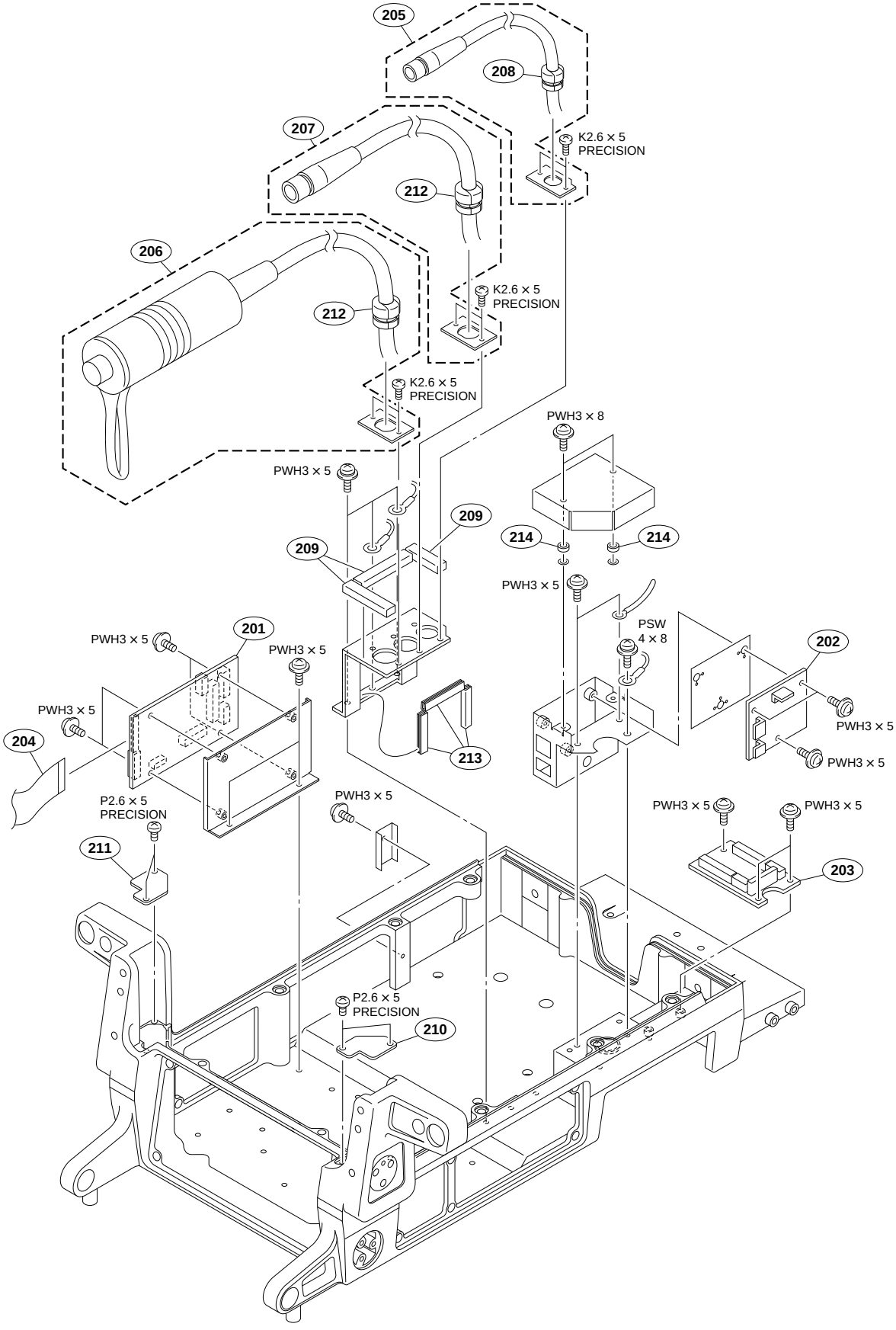
110
105
102
105
PWH3 × 8
PWH3 × 8
106
106
107
106
106
108
106
104
103
106
106
103
104
109

No.	Part No.	SP	Description
101	A-8322-827-A	s	POWER ASSY
102	⚠ 1-576-228-11	s	FUSE (H.B.C.)
103	2-280-511-12	o	BRACKET,ADJUSTMENT ANGLE
104	2-623-773-11	s	BOLT (M3X8),STAINLESS
105	2-832-002-00	s	BUSHING F-1,INSULATOR (TO-220)
106	3-190-628-01	s	TUBE, SHIELD (VMQ)
107	3-622-478-01	o	SHEET(D),HEAT CONDUCTION
108	3-622-528-01	o	SHEET,BLIND(R)
109	3-622-529-01	o	SHEET,BLIND(L)
110	3-623-692-01	o	SHEET(E),HEAT CONDUCTION
111	3-701-438-11	s	WASHER PLASTIC (2.6X0.25)

Boards


205
208
207
K2.6 × 5
PRECISION
212
206
212
K2.6 × 5
PRECISION
K2.6 × 5
PRECISION
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PWH3 × 5
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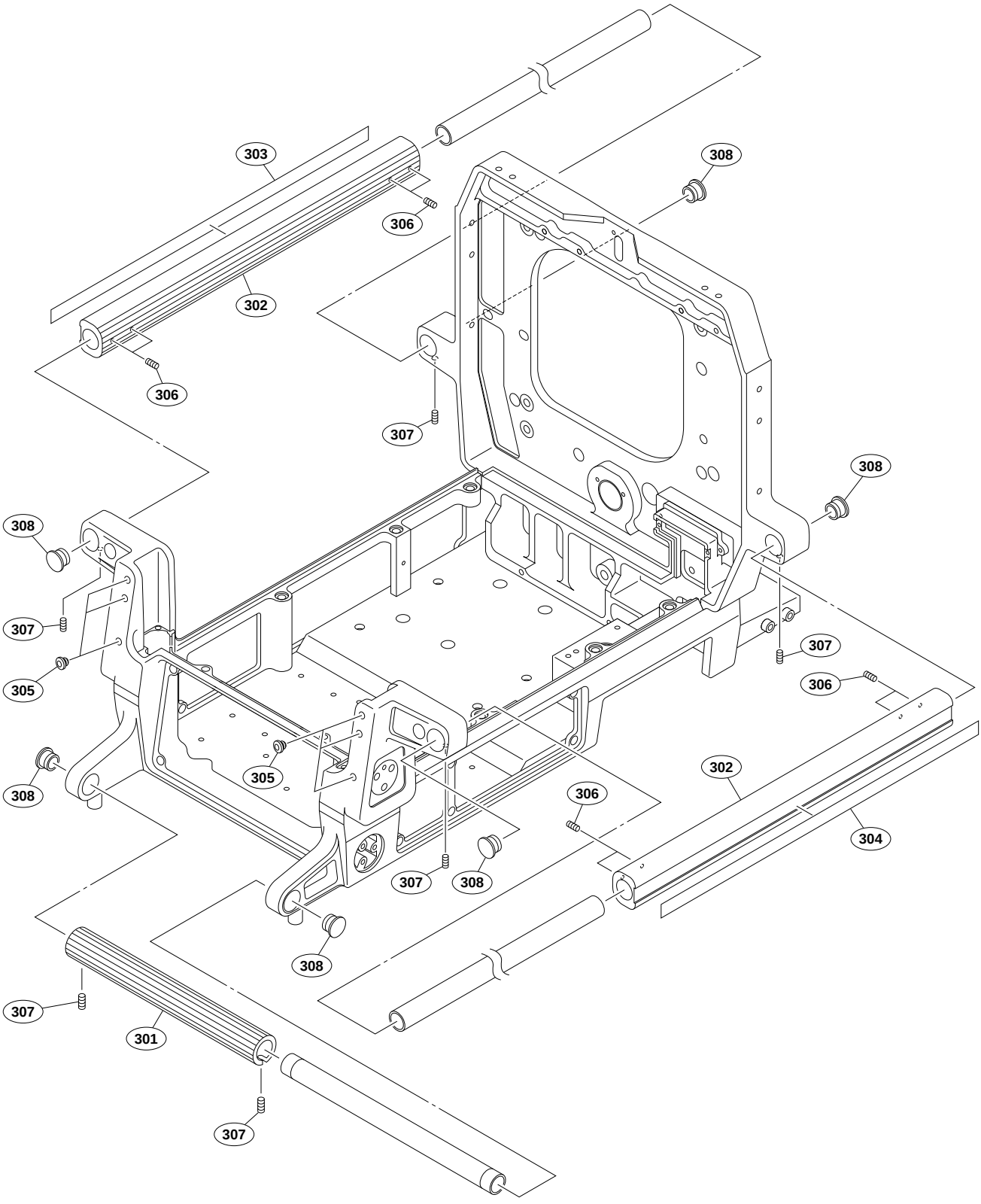
214
214
PWH3 × 5
PSW
4 × 8
202
PWH3 × 5
PWH3 × 5
PWH3 × 5
201
PWH3 × 5
PWH3 × 5
204
213
P2.6 × 5
PRECISION
PWH3 × 5
PWH3 × 5
PWH3 × 5
211
203
P2.6 × 5
PRECISION
210

No.	Part No.	SP	Description	
201	A-8322-831-A	o	MOUNTED CIRCUIT BOARD, IF-731	
202	A-8322-834-A	o	MOUNTED CIRCUIT BOARD, LF-47	
203	A-8322-835-A	o	MOUNTED CIRCUIT BOARD, CN-1762	
204	1-590-489-11	s	WIRE,FLAT TYPE (25CORE)	
205	1-959-932-11	o	HARNESS (LENS 12P)	
206	1-959-988-11	o	HARNESS, SUB (TRIAX K)	(for UC)
	1-959-989-11	o	HARNESS, SUB (TRIAX T)	(for J)
	1-959-990-11	o	HARNESS, SUB (TRIAX F)	(for CE)
207	1-959-991-11	o	HARNESS (COMMAND)	
208	3-005-073-00	s	BUSHING	
209	3-615-750-61	s	SHIELD CUSHION (C)	
210	3-622-530-01	o	BLIND,CABLE(L)	
211	3-622-557-01	o	PLATE,BLIND(R)	
212	3-649-728-00	s	STOPPER,CORD	
213	3-701-818-00	s	EDGING (016)	
214	3-716-370-11	o	SPACER	

Handle


303
306
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308
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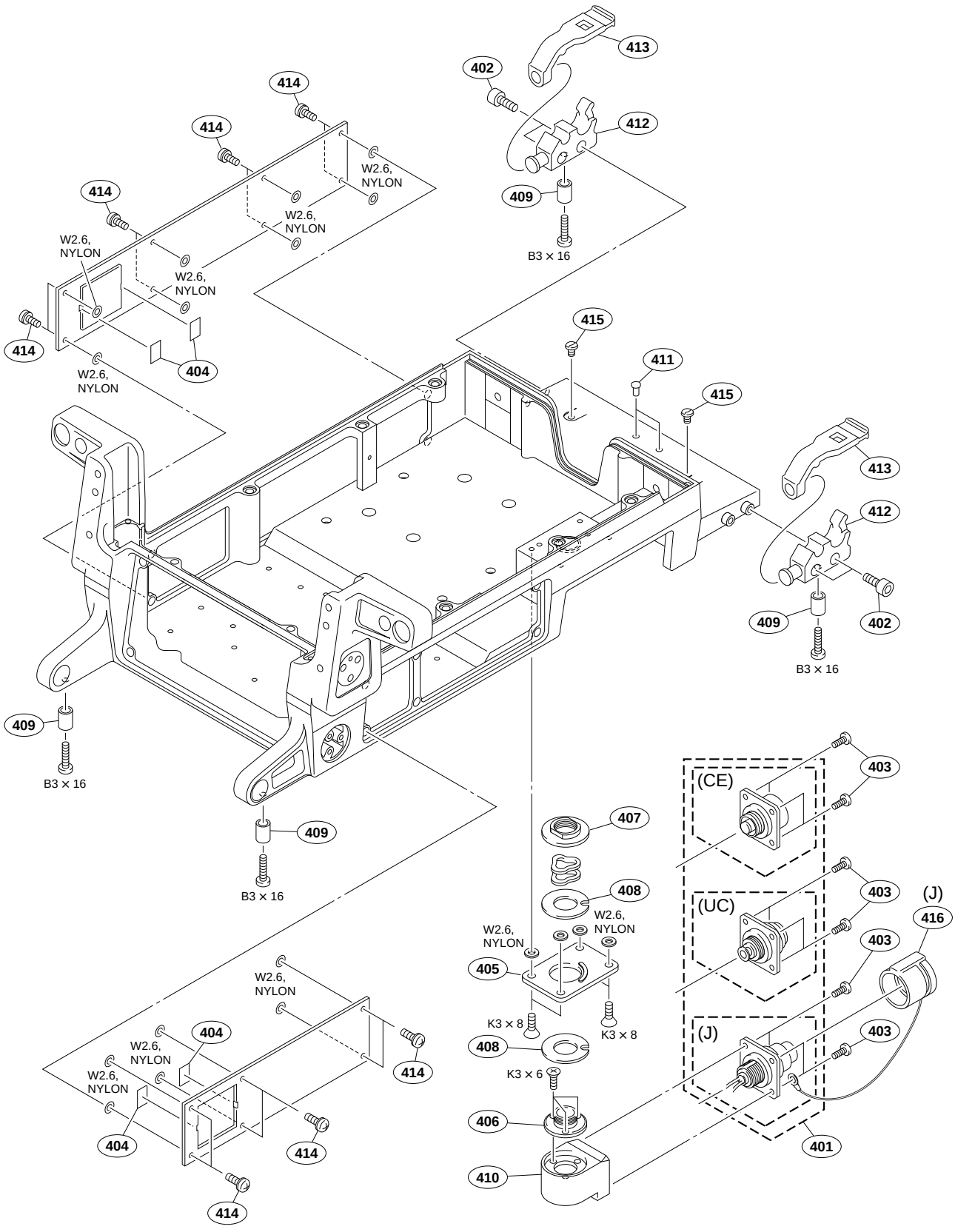
308
308
307
301
307

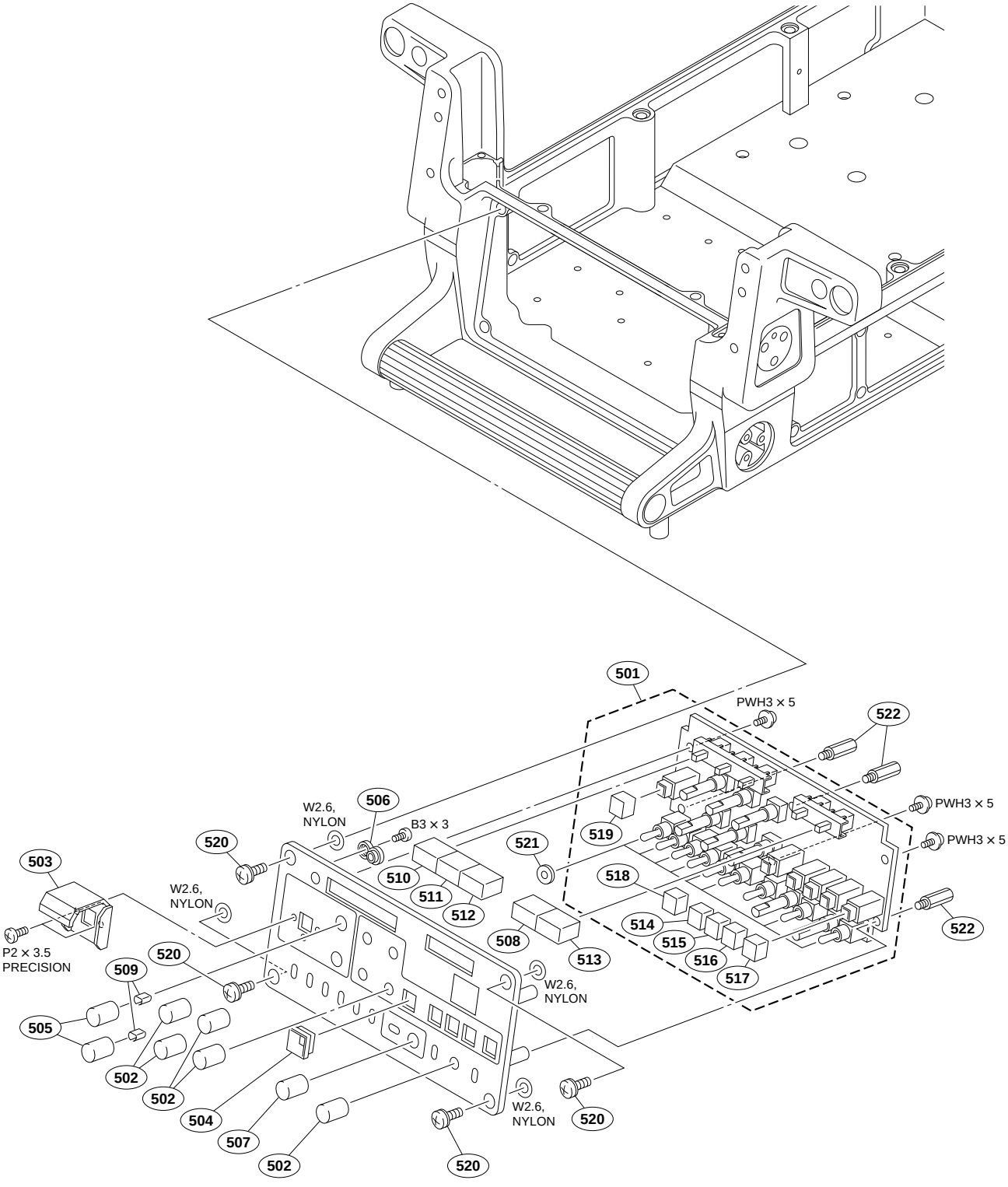
No.	Part No.	SP	Description	
301	3-622-509-01	o	COVER,PIPE	
302	3-622-521-01	o	COVER,HANDLE	
303	3-622-526-01	o	SHEET,HANDLE(R)	
304	3-622-527-01	o	SHEET,HANDLE(L)	
305	3-673-018-11	s	SCREW, BLIND	(PLA)
306	3-701-505-00	s	SET-SCREW,HEX 3X3	ST
307	3-701-510-00	s	SET-SCREW,HEXGON 4X4 (WP)	ST
308	3-740-817-01	o	ESCUTCHEON, PIPE	

TRIAX connector



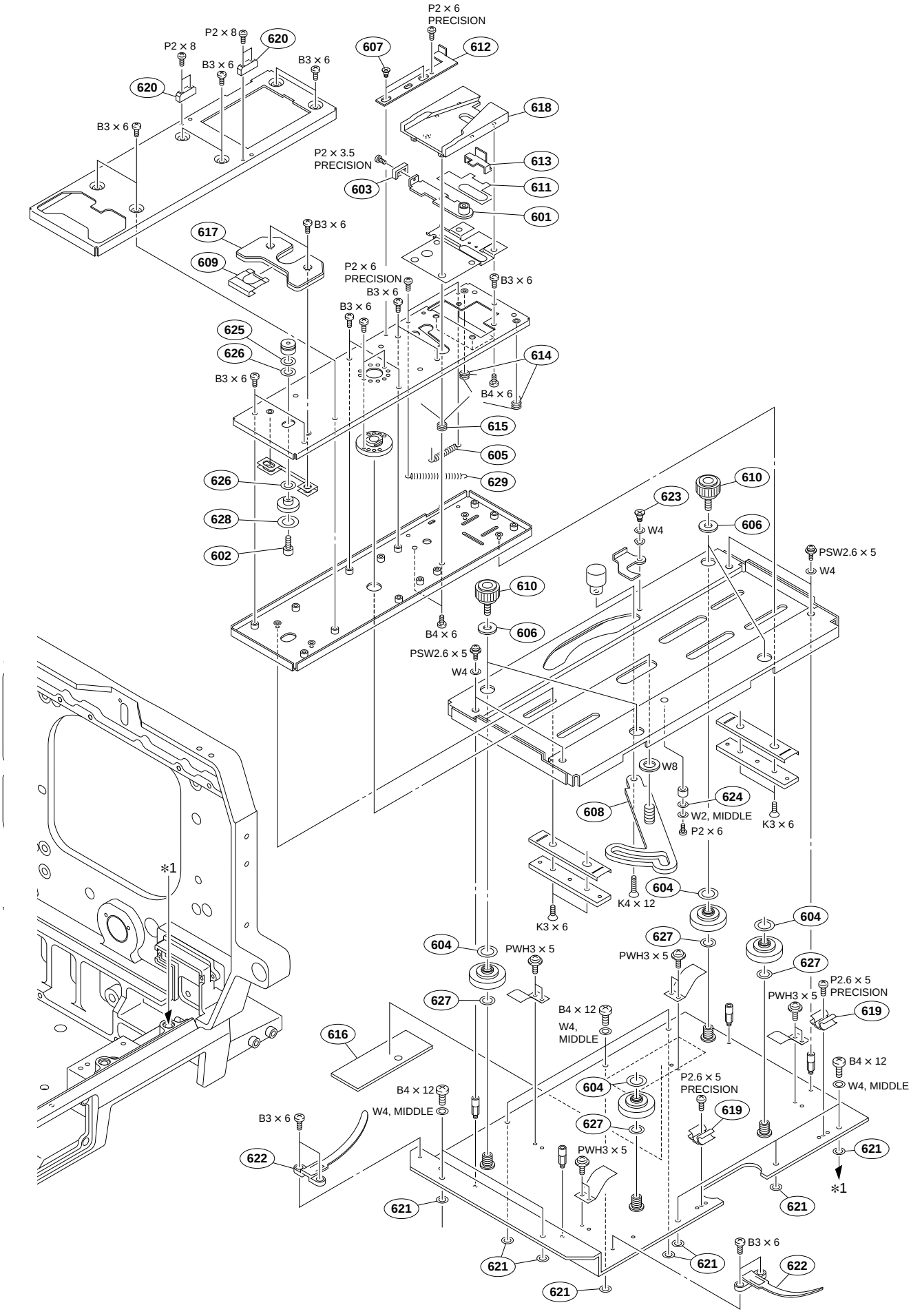
No.	Part No.	SP	Description	
401	A-8323-010-A	o	CONNECTOR (L) ASSY, TRIAX	(for UC)
	A-8323-011-A	o	CONNECTOR (T) ASSY, TRIAX	(for J)
	A-8323-012-A	o	CONNECTOR (F) ASSY, TRIAX	(for CE)
402	2-391-520-21	s	BOLT (M5X12),HOLE, HEXAGON(ST)	
403	3-178-214-01	s	SCREW(M3X6),+B	
404	3-185-871-01	o	TAPE, DROP PROTECTION SHIELD	
405	3-185-874-01	o	PLATE, TRIAX	
406	3-185-891-01	o	CONNECTOR, ROTARY SHAFT	
407	3-185-892-01	o	NUT	
408	3-185-896-01	o	WASHER, CONDUCTIVE	
409	3-185-902-02	s	FOOT, FRONT	(ABS)
410	3-185-949-11	o	BOX, TRIAX	
411	3-545-657-11	s	BUSHING(BLACK)	(PLA)
412	3-612-710-02	o	CLAMP,CABLE	
413	3-612-712-01	s	BAND,CLAMP	
414	3-719-159-01	s	SCREW (M3), +BW	(STEEL)
415	3-725-907-01	s	BUSHING,BLIND	
416	3-741-725-01	o	CAP(TK),CONNECTOR,TRIAX	

Control Panel



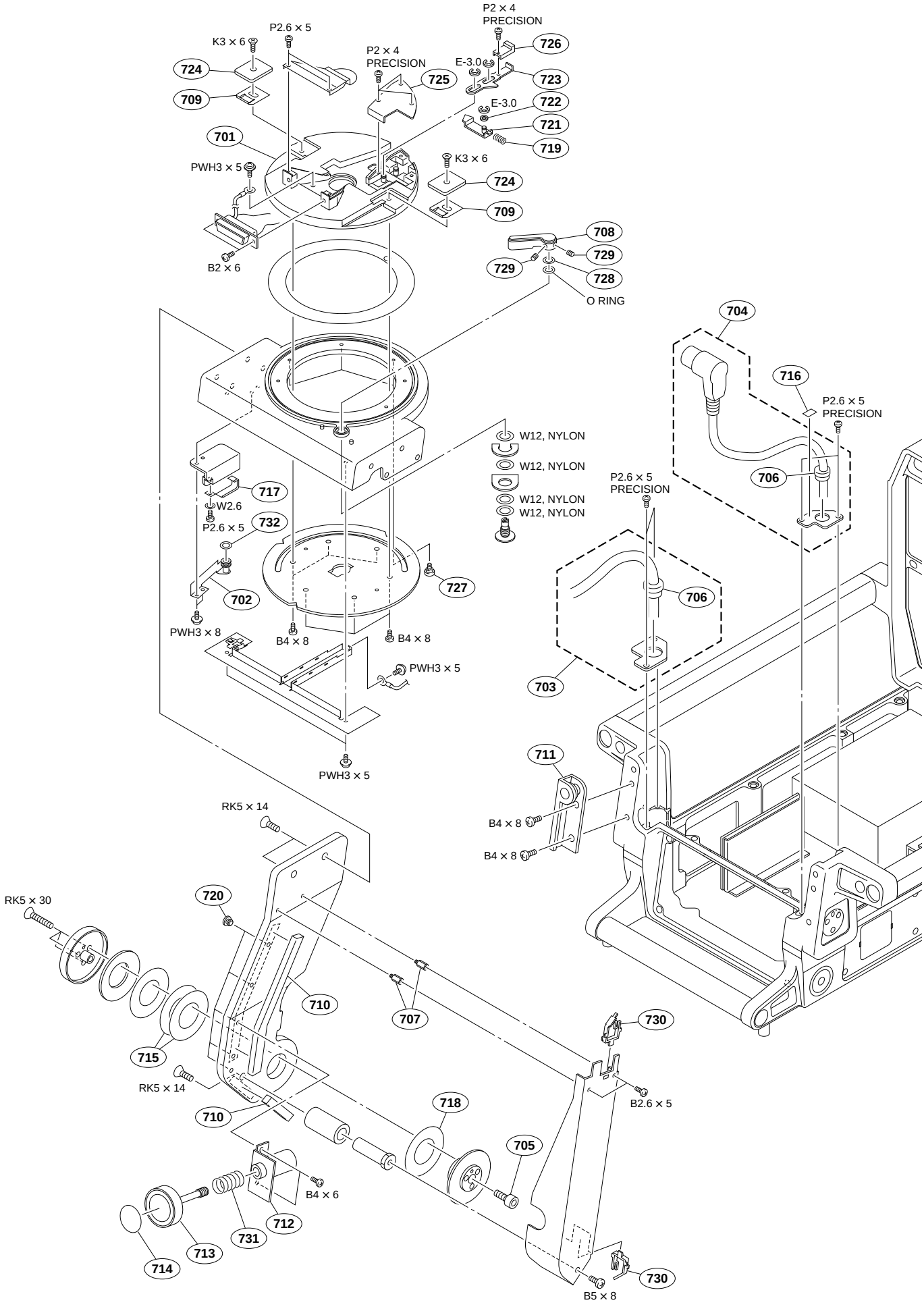
No.	Part No.	SP	Description
501	A-8322-832-A	o	MOUNTED CIRCUIT BOARD, SW-993
502	X-3167-563-1	s	KNOB (DIA.3) ASSY, VOLUME
503	X-3740-810-1	o	GUIDE ASSY,SWITCH
504	2-118-858-01	o	GUARD (SQUARE 9), SWITCH
505	3-185-872-01	s	KNOB, VOLUME (DIA. 6)
506	3-185-876-01	o	COVER, LED
507	3-602-483-01	s	KNOB,VOLUME 6
508	3-613-600-01	o	BUTTON "RET"
509	3-615-589-01	o	SPRING,FIXED KNOB
510	3-692-320-01	o	BUTTON "R"
511	3-692-321-01	o	BUTTON "G"
512	3-692-322-01	o	BUTTON "B"
513	3-692-324-01	o	BUTTON "RET 1"
514	3-708-930-01	s	CAP (PC) "1"
515	3-708-930-11	s	CAP (PC) "2"
516	3-708-930-21	s	CAP (PC) "3"
517	3-708-932-01	s	CAP (PC) "ON"
518	3-708-933-01	s	CAP (PC) " "
519	3-708-934-01	s	CAP (PC) " "
520	3-719-159-01	s	SCREW (M3), +BW (STEEL)
521	3-729-007-01	o	PLATE,ORNAMENTAL,TOGGLE SWITCH
522	3-897-313-01	s	BOSS(17.2),RELAY

Adjustment Table



No.	Part No.	SP	Description
601	X-3605-554-1	o	LEVER ASSY,RELEASE
602	2-623-773-11	s	BOLT (M3X8),STAINLESS
603	3-167-513-01	o	KNOB, RELEASE LEVER
604	3-185-878-01	s	WASHER (PA)
605	3-328-673-01	s	SPRING,TENSION (STEEL)
606	3-607-677-01	s	WASHER(D5)
607	3-613-164-00	o	SHAFT, STEP
608	3-622-471-01	o	LEVER,SLIDE
609	3-622-491-01	o	SPRING,GND(CAM)
610	3-622-515-01	o	KNOB, DIMPLE
611	3-622-516-02	o	SHEET,SLIDE B
612	3-622-550-01	o	LEVER,SAFETY
613	3-622-552-01	o	PLATE,ATTACHING
614	3-622-560-01	o	SPRING,TORSION(B)
615	3-622-561-01	o	SPRING,TORSION(A2)
616	3-623-693-01	o	SHEET(F),HEAT CONDUCTION
617	3-678-704-00	o	SPACER
618	3-679-046-01	o	FLAME
619	3-679-659-03	o	CLAMP,CABLE (PP)
620	3-679-661-01	o	GUIDE
621	3-687-116-01	o	WASHER(4),STOPPER (PLA)
622	3-692-186-01	s	HOLDER,CABLE (PA)
623	3-694-825-11	s	SCREW M3 STEP,SPECIAL HEAD ST
624	3-701-441-01	s	WASHER PLASTIC (4.1X0.13)
625	3-701-446-01	s	POLYSLIDER(PLASTIC)8.2X0.13
626	3-701-446-11	s	POLYSLIDER(PLASTIC)8.2X0.25
627	3-701-446-21	s	WASHER PLASTIC (8.2X0.5)
628	3-701-447-11	s	WASHER PLASTIC (10.2X0.25)
629	4-627-832-01	s	SPRING, TENSION

BKP-9057 (1/2)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P2.6 × 5
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E-3.0
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B2 × 6
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704
716
P2.6 × 5
PRECISION
W12, NYLON
W12, NYLON
W12, NYLON
W12, NYLON
706
P2.6 × 5
PRECISION
717
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P2.6 × 5
732
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727
702
703
PWH3 × 8
B4 × 8
B4 × 8
PWH3 × 5
PWH3 × 5
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B4 × 8
B4 × 8
RK5 × 14
RK5 × 30
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RK5 × 14
B2.6 × 5
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B4 × 6
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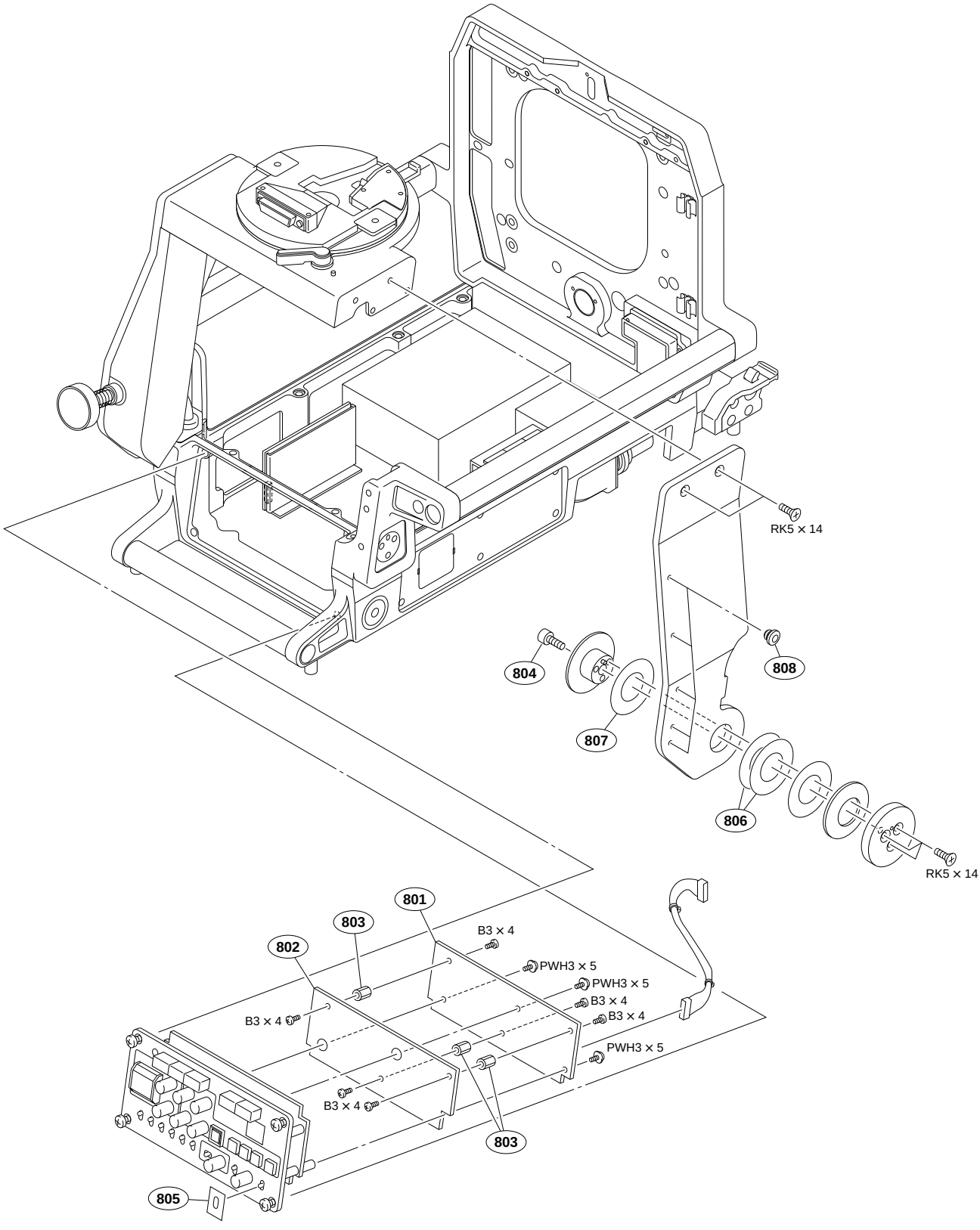
B5 × 8

No.	Part No.	SP	Description
701	X-3605-552-1	o	RETAINER ASSY,PAN BASE
702	X-3605-555-1	o	SPRING ASSY,CLICK
703	1-959-930-11	o	HARNESS (VF 25P)
704	1-959-999-11	o	HARNESS (VF CONNECTION CABLE)
705	2-391-520-21	s	BOLT (M5X12),HOLE, HEXAGON(ST)
706	3-005-073-00	s	BUSHING
707	3-179-897-01	o	SUPPORT
708	3-185-886-12	o	LEVER, PAN LOCK
709	3-613-969-02	o	SPRING,EMC
710	3-615-750-61	s	SHIELD CUSHION (C)
711	3-622-487-01	o	NUT,PLATE,M8
712	3-622-488-01	o	ANGLE
713	3-622-489-01	o	SCREW,KNOB,M8
714	3-622-490-01	o	LABEL
715	3-622-542-01	o	PAD(T0.25)
716	3-622-543-01	o	LABEL,VF
717	3-622-710-01	o	SPRING,GND(CA)
718	3-623-691-01	o	PAD
719	3-634-355-00	s	SPRING,COMPRESSION (STEEL)
720	3-673-018-11	s	SCREW, BLIND (PLA)
721	3-692-327-03	o	PIN (JOINT)
722	3-692-328-01	o	SPACER
723	3-692-329-02	o	LEVER (A) (JOINT)
724	3-692-332-01	o	PLATE (A)
725	3-692-365-02	o	PLATE,BLIND
726	3-692-370-01	o	COVER,LEVER (A)
727	3-694-825-11	s	SCREW M3 STEP,SPECIAL HEAD ST
728	3-701-444-11	s	WASHER PLASTIC (6.2X0.25)
729	3-701-510-00	o	SET-SCREW,HEXGON 4X4 (WP) ST
730	4-316-015-00	o	HOLDER, WIRE
731	4-367-209-00	s	SPRING,COMPRESSION
732	4-846-520-00	s	BELT,RUBBER (RBR)

BKP-9057 (2/2)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PWH3 × 5
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B3 × 4
PWH3 × 5
B3 × 4
803
805

No.	Part No.	SP	Description
801	A-8322-813-A	o	MOUNTED CIRCUIT BOARD,MS-59
802	A-8322-814-A	o	MOUNTED CIRCUIT BOARD,MS-60
803	2-280-622-11	o	SUPPORT (M3),HEXAGON
804	2-391-520-21	s	BOLT (M5X12),HOLE, HEXAGON(ST)
805	3-622-513-01	o	SEAL,FUNCTION
806	3-622-542-01	o	PAD(T0.25)
807	3-623-691-01	o	PAD
808	3-673-018-11	s	SCREW, BLIND (PLA)

3-2. Electrical Parts List

CN-1762 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8322-835-A	o	MOUNTED CIRCUIT BOARD, CN-1762
C1	1-117-193-11	s	CAPACITOR,3 TERMINAL 1.5MF/50V
C2	1-117-193-11	s	CAPACITOR,3 TERMINAL 1.5MF/50V
C3	1-117-193-11	s	CAPACITOR,3 TERMINAL 1.5MF/50V
C4	1-117-193-11	s	CAPACITOR,3 TERMINAL 1.5MF/50V
C5	1-117-193-11	s	CAPACITOR,3 TERMINAL 1.5MF/50V
C6	1-117-193-11	s	CAPACITOR,3 TERMINAL 1.5MF/50V
CN1	1-506-477-11	o	PIN,CONNECTOR 12P
CN2	1-580-544-11	s	PIN, CONNECTOR (PC BOARD) 30P
CN4	1-580-544-11	s	PIN, CONNECTOR (PC BOARD) 30P
FL1	1-233-910-21	s	FILTER, EMI
FL2	1-233-910-21	s	FILTER, EMI
FL3	1-233-910-21	s	FILTER, EMI
FL4	1-233-910-21	s	FILTER, EMI
FL5	1-233-910-21	s	FILTER, EMI
R1	1-216-864-11	s	RESISTOR,CHIP 0 1/16W (1608)
S1	1-571-738-11	s	SWITCH,SLIDE (2-2-2)

IF-731 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8322-831-A	o	MOUNTED CIRCUIT BOARD, IF-731
C1	1-107-686-11	s	CAPACITOR,CHIP ELECT 4.7MF/16V
C2	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C3	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C4	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C5	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C6	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C7	1-107-686-11	s	CAPACITOR,CHIP ELECT 4.7MF/16V
C110	1-165-176-11	s	CAPACITOR,CERAMIC 47000PF/16V
C111	1-135-210-11	s	CAPACITOR TANTAL 4.7MF/10V
C112	1-135-210-11	s	CAPACITOR TANTAL 4.7MF/10V
C113	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C114	1-164-315-11	s	CAPACITOR,CERAMIC 470PF/50V CH
C115	1-135-210-11	s	CAPACITOR TANTAL 4.7MF/10V
C116	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C117	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C118	1-135-177-21	s	CAPACITOR TANTALUM 1MF/25V
C119	1-162-968-11	s	CAPACITOR,CERAMIC 4700PF/50V B
C120	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C121	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C122	1-164-227-11	s	CAPACITOR,CERAMIC 0.022MF/25V
C124	1-164-227-11	s	CAPACITOR,CERAMIC 0.022MF/25V
C126	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C127	1-126-397-11	s	CAPACITOR ELECT 33MF/25V(CHIP)
C128	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C129	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C130	1-128-399-11	s	CAPACITOR ELECT 330MF/16V(CHIP
C131	1-128-399-11	s	CAPACITOR ELECT 330MF/16V(CHIP
C132	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C133	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C134	1-126-396-11	s	CAPACITOR ELECT 47MF/16V(CHIP)
C135	1-126-396-11	s	CAPACITOR ELECT 47MF/16V(CHIP)
C136	1-104-851-11	s	CAPACITOR,TANTALUM 10MF/10V
C137	1-104-851-11	s	CAPACITOR,TANTALUM 10MF/10V
C138	1-135-177-21	s	CAPACITOR TANTALUM 1MF/25V
C139	1-104-852-11	s	CAPACITOR,TANTALUM 22MF/10V
C140	1-104-752-11	s	CAPACITOR TANTALUM 33MF/6.3V
C141	1-135-179-21	s	CAPACITOR,TANTALUM 2.2MF/16V
C142	1-135-179-21	s	CAPACITOR,TANTALUM 2.2MF/16V
C143	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C144	1-104-913-11	s	CAPACITOR,CHIP TANTAL 10MF/16V
C145	1-135-179-21	s	CAPACITOR,TANTALUM 2.2MF/16V
C146	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C147	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C148	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C149	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C150	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C151	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
CN1	1-750-934-21	o	PIN, CONNECTOR (PC BOARD) 20P
CN2	1-764-080-21	s	PIN, CONNECTOR (PC BOARD) 8P
CN5	1-750-935-21	o	PIN, CONNECTOR (PC BOARD) 30P
CN7	1-750-934-21	o	PIN, CONNECTOR (PC BOARD) 20P
CN8	1-764-875-21	s	CONNECTOR, FPC (25P)
D1	8-719-404-35	s	DIODE MA141WK
D2	8-719-404-35	s	DIODE MA141WK
D103	8-719-938-75	s	DIODE SB05-05CP (RECTI)
D104	8-719-938-75	s	DIODE SB05-05CP (RECTI)
D107	8-719-980-78	s	DIODE ERA83-006 (RECTI)

(IF-731 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
D109	8-719-041-68	s	DIODE RD3.3UH(1)-T1
D110	8-719-041-68	s	DIODE RD3.3UH(1)-T1
D111	8-719-041-68	s	DIODE RD3.3UH(1)-T1
D112	8-719-989-76	s	DIODE SC802-04-TE12RA
IC1	8-759-209-69	s	IC TC4S11F
IC2	8-759-175-04	s	IC PCF8574T-T
IC3	8-759-175-04	s	IC PCF8574T-T
IC100	8-759-076-06	s	IC TL064CPW
IC104	8-759-261-48	s	IC TL1451ACPW (R)
IC105	8-759-274-66	s	IC LM4040BIM3-5.0
L1	1-412-029-11	s	CHIP INDUCTOR 10UH (3225)
L103	1-424-642-11	s	COIL, CHOKE 47UH
L104	1-409-722-11	s	COIL, CHOKE 220UH
L105	1-409-722-11	s	COIL, CHOKE 220UH
L106	1-424-642-11	s	COIL, CHOKE 47UH
L107	1-424-642-11	s	COIL, CHOKE 47UH
Q1	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q2	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q3	8-729-807-51	s	TRANSISTOR 2SD1623-S
Q105	8-729-117-32	s	TRANSISTOR 2SC4177
Q106	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q107	8-729-117-32	s	TRANSISTOR 2SC4177
Q108	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q109	8-729-101-07	s	TRANSISTOR 2SB798
Q110	8-729-101-07	s	TRANSISTOR 2SB798
Q111	8-729-807-51	s	TRANSISTOR 2SD1623-S
Q112	8-729-101-07	s	TRANSISTOR 2SB798
Q113	8-729-101-07	s	TRANSISTOR 2SB798
R1	1-218-668-11	s	RESISTOR,CHIP 100 1/16W (1608)
R2	1-216-857-11	s	RESISTOR, CHIP 1.0M 1/16W 1608
R3	1-218-740-11	s	RESISTOR,CHIP 100K 1/16W(1608)
R4	1-218-644-11	s	RESISTOR,METAL 10 1/16W
R5	1-218-668-11	s	RESISTOR,CHIP 100 1/16W (1608)
R6	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R7	1-218-668-11	s	RESISTOR,CHIP 100 1/16W (1608)
R8	1-218-668-11	s	RESISTOR,CHIP 100 1/16W (1608)
R9	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R10	1-218-732-11	s	RESISTOR,CHIP 47K 1/16W(1608)
R11	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R12	1-218-740-11	s	RESISTOR,CHIP 100K 1/16W(1608)
R13	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R14	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R15	1-218-644-11	s	RESISTOR,METAL 10 1/16W
R16	1-218-668-11	s	RESISTOR,CHIP 100 1/16W (1608)
R17	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R18	1-218-748-11	s	RESISTOR,CHIP 220K 1/16W(1608)
R19	1-218-748-11	s	RESISTOR,CHIP 220K 1/16W(1608)
R20	1-216-857-11	s	RESISTOR, CHIP 1.0M 1/16W 1608
R121	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R122	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R123	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R124	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R125	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R126	1-218-748-11	s	RESISTOR,CHIP 220K 1/16W(1608)
R127	1-218-728-11	s	RESISTOR,METAL 33K 1/16W
R128	1-218-732-11	s	RESISTOR,CHIP 47K 1/16W(1608)
R129	1-218-728-11	s	RESISTOR,METAL 33K 1/16W

(IF-731 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R130	1-218-732-11	s	RESISTOR,CHIP 47K 1/16W(1608)
R131	1-218-748-11	s	RESISTOR,CHIP 220K 1/16W(1608)
R132	1-218-696-11	s	RESISTOR CHIP 1.5K 1/16W(1608)
R133	1-218-720-11	s	RESISTOR,CHIP 15K 1/16W(1608)
R134	1-218-668-11	s	RESISTOR,CHIP 100 1/16W (1608)
R135	1-218-718-11	s	RESISTOR CHIP 12K 1/16W (1608)
R136	1-218-703-11	s	RESISTOR,METAL 3.0K 1/16(1608)
R137	1-218-687-11	s	RESISTOR CHIP 620 1/16W (1608)
R138	1-218-675-11	s	RESISTOR,CHIP 200 1/16W (1608)
R139	1-218-707-11	s	RESISTOR,CHIP 4.3K 1/16W(1608)
R140	1-218-723-11	s	RESISTOR,CHIP 20K 1/16W(1608)
R141	1-218-708-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R142	1-218-708-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R143	1-218-708-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R144	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R146	1-218-703-11	s	RESISTOR,METAL 3.0K 1/16(1608)
R148	1-218-660-91	s	RESISTOR CHIP 47 1/16W (1608)
R150	1-218-660-91	s	RESISTOR CHIP 47 1/16W (1608)
R153	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R154	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R156	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R157	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R158	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R159	1-218-723-11	s	RESISTOR,CHIP 20K 1/16W(1608)
R160	1-218-718-11	s	RESISTOR CHIP 12K 1/16W (1608)
R161	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R162	1-218-723-11	s	RESISTOR,CHIP 20K 1/16W(1608)
RB1	1-236-907-11	s	RESISTOR BLOCK 100K (1608)
RB2	1-236-907-11	s	RESISTOR BLOCK 100K (1608)
RB3	1-239-416-11	s	NETWORK,RESISTOR 220 (1608)
RB4	1-239-416-11	s	NETWORK,RESISTOR 220 (1608)
RB5	1-236-907-11	s	RESISTOR BLOCK 100K (1608)
RB6	1-236-904-11	s	RESISTOR NETWORK 1K (1608)
S1	1-692-881-41	s	SWITCH, SLIDE

LF-47 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8322-834-A	o	MOUNTED CIRCUIT BOARD, LF-47
C2	1-136-206-11	s	CAPACITOR,FILM 0.033MF/630V
C3	1-136-203-11	s	CAPACITOR,FILM 0.01MF/630V
CN1	1-580-837-11	o	PIN,CONNECTOR (PC BOARD) 3P
CN2	1-779-370-11	o	PIN, CONNECTOR (PC BOARD) 3P
CN3	1-691-756-11	o	PIN, CONNECTOR(PC BOARD) 2P
L2	1-408-142-21	s	MICRO INDUCTOR 22.5MH
L3	1-410-627-11	s	COIL, CHOKE 100UH
L4	1-410-627-11	s	COIL, CHOKE 100UH
L5	1-410-627-11	s	COIL, CHOKE 100UH
L6	1-410-627-11	s	COIL, CHOKE 100UH

MS-59 BOARD (FOR BKP-9057)

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8322-813-A	o	MOUNTED CIRCUIT BOARD, MS-59
3pcs	2-280-622-11	o	SUPPORT (M3),HEZAGON
3pcs	7-682-545-04	s	SCREW +B3X4(EP-FE/CU,NI,CR)
C37	1-104-752-11	s	CAPACITOR TANTALUM 33MF/6.3V
C50	1-104-852-11	s	CAPACITOR,TANTALUM 22MF/10V
C54	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C60	1-107-420-11	s	CAPACITOR,ELECT 47MF/35V(105C)
C100	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C101	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C102	1-162-909-11	s	CAPACITOR,CERAMIC 4.0PF/50V CH
C103	1-162-909-11	s	CAPACITOR,CERAMIC 4.0PF/50V CH
C104	1-104-852-11	s	CAPACITOR,TANTALUM 22MF/10V
C105	1-104-852-11	s	CAPACITOR,TANTALUM 22MF/10V
C106	1-104-752-11	s	CAPACITOR TANTALUM 33MF/6.3V
C107	1-104-852-11	s	CAPACITOR,TANTALUM 22MF/10V
C109	1-104-851-11	s	CAPACITOR,TANTALUM 10MF/10V
C110	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C111	1-104-913-11	s	CAPACITOR,CHIP TANTAL 10MF/16V
C112	1-104-851-11	s	CAPACITOR,TANTALUM 10MF/10V
C113	1-162-907-11	s	CAPACITOR,CERAMIC 2PF/50V(CK)
C114	1-162-908-11	s	CAPACITOR,CERAMIC 3PF/50V 1608
C115	1-104-851-11	s	CAPACITOR,TANTALUM 10MF/10V
C116	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C117	1-104-752-11	s	CAPACITOR TANTALUM 33MF/6.3V
C118	1-104-852-11	s	CAPACITOR,TANTALUM 22MF/10V
C202	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C203	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C205	1-162-911-11	s	CAPACITOR,CERAMIC 6PF/50V 1608
C206	1-162-909-11	s	CAPACITOR,CERAMIC 4.0PF/50V CH
C207	1-104-852-11	s	CAPACITOR,TANTALUM 22MF/10V
C208	1-104-852-11	s	CAPACITOR,TANTALUM 22MF/10V
C209	1-104-752-11	s	CAPACITOR TANTALUM 33MF/6.3V
C210	1-104-852-11	s	CAPACITOR,TANTALUM 22MF/10V
C212	1-104-851-11	s	CAPACITOR,TANTALUM 10MF/10V
C213	1-164-505-11	s	CAPACITOR,CHIP CERAMIC 2.2MF
C214	1-164-505-11	s	CAPACITOR,CHIP CERAMIC 2.2MF
C215	1-164-505-11	s	CAPACITOR,CHIP CERAMIC 2.2MF
C216	1-164-505-11	s	CAPACITOR,CHIP CERAMIC 2.2MF
C217	1-164-505-11	s	CAPACITOR,CHIP CERAMIC 2.2MF
C218	1-164-505-11	s	CAPACITOR,CHIP CERAMIC 2.2MF
C219	1-104-851-11	s	CAPACITOR,TANTALUM 10MF/10V
C220	1-162-928-11	s	CAPACITOR,CERAMIC 120PF/50V CH
C221	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C222	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C223	1-104-913-11	s	CAPACITOR,CHIP TANTAL 10MF/16V
C224	1-104-851-11	s	CAPACITOR,TANTALUM 10MF/10V
C225	1-162-907-11	s	CAPACITOR,CERAMIC 2PF/50V(CK)
C226	1-162-908-11	s	CAPACITOR,CERAMIC 3PF/50V 1608
C227	1-104-851-11	s	CAPACITOR,TANTALUM 10MF/10V
C228	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C229	1-104-752-11	s	CAPACITOR TANTALUM 33MF/6.3V
C230	1-104-852-11	s	CAPACITOR,TANTALUM 22MF/10V
C300	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C301	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C302	1-162-909-11	s	CAPACITOR,CERAMIC 4.0PF/50V CH
C303	1-162-909-11	s	CAPACITOR,CERAMIC 4.0PF/50V CH
C304	1-104-852-11	s	CAPACITOR,TANTALUM 22MF/10V
C305	1-104-852-11	s	CAPACITOR,TANTALUM 22MF/10V

(MS-59 BOARD (FOR BKP-9057))

Ref. No. or Q'ty	Part No.	SP	Description
C306	1-104-752-11	s	CAPACITOR TANTALUM 33MF/6.3V
C307	1-104-852-11	s	CAPACITOR,TANTALUM 22MF/10V
C309	1-104-851-11	s	CAPACITOR,TANTALUM 10MF/10V
C310	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C311	1-104-851-11	s	CAPACITOR,TANTALUM 10MF/10V
C312	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C313	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C314	1-135-179-21	s	CAPACITOR,TANTALUM 2.2MF/16V
C315	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C316	1-104-913-11	s	CAPACITOR,CHIP TANTAL 10MF/16V
C317	1-104-851-11	s	CAPACITOR,TANTALUM 10MF/10V
C318	1-162-907-11	s	CAPACITOR,CERAMIC 2PF/50V(CK)
C319	1-162-908-11	s	CAPACITOR,CERAMIC 3PF/50V 1608
C320	1-104-851-11	s	CAPACITOR,TANTALUM 10MF/10V
C321	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C322	1-104-752-11	s	CAPACITOR TANTALUM 33MF/6.3V
C323	1-104-852-11	s	CAPACITOR,TANTALUM 22MF/10V
C500	1-162-913-11	s	CAPACITOR,CHIP CERAMIC 8PF/50V
C501	1-104-851-11	s	CAPACITOR,TANTALUM 10MF/10V
C502	1-104-851-11	s	CAPACITOR,TANTALUM 10MF/10V
C503	1-104-752-11	s	CAPACITOR TANTALUM 33MF/6.3V
C504	1-104-852-11	s	CAPACITOR,TANTALUM 22MF/10V
C505	1-135-179-21	s	CAPACITOR,TANTALUM 2.2MF/16V
C506	1-135-179-21	s	CAPACITOR,TANTALUM 2.2MF/16V
C507	1-104-563-11	s	CAPACITOR, CHIP FILM 0.1MF
C508	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C509	1-104-913-11	s	CAPACITOR,CHIP TANTAL 10MF/16V
C510	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C511	1-104-851-11	s	CAPACITOR,TANTALUM 10MF/10V
C512	1-104-752-11	s	CAPACITOR TANTALUM 33MF/6.3V
C513	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C519	1-104-913-11	s	CAPACITOR,CHIP TANTAL 10MF/16V
C520	1-104-913-11	s	CAPACITOR,CHIP TANTAL 10MF/16V
C521	1-104-852-11	s	CAPACITOR,TANTALUM 22MF/10V
C522	1-162-915-11	s	CAPACITOR,CERAMIC 10PF/50V CH
CN1	1-750-934-21	o	PIN, CONNECTOR (PC BOARD) 20P
CN2	1-750-934-21	o	PIN, CONNECTOR (PC BOARD) 20P
CN3	1-750-935-21	o	PIN, CONNECTOR (PC BOARD) 30P
CN4	1-774-998-21	o	CONNECTOR, BOARD TO BOARD 20P
D7	8-719-820-41	s	DIODE 1SS302
D8	8-719-820-41	s	DIODE 1SS302
D9	8-719-820-41	s	DIODE 1SS302
IC3	8-759-049-60	s	IC SN74HC08APW
IC4	8-759-242-74	s	IC TC7W04F
IC7	8-759-195-02	s	IC TC7S86F-TE85L
IC100	8-759-082-61	s	IC TC4W53FU
IC200	8-759-058-54	s	IC TC7S00FU-TE85R
IC201	8-759-082-61	s	IC TC4W53FU
IC202	8-759-523-02	s	IC TC74HC4053AFT(EL)
IC203	8-759-049-57	s	IC SN74HC02APWR
IC204	8-759-523-04	s	IC TC74HC4538AFT
IC300	8-759-082-61	s	IC TC4W53FU
IC301	8-759-987-27	s	IC LM1881M
IC302	8-759-209-69	s	IC TC4S11F
IC500	8-759-209-69	s	IC TC4S11F
IC501	8-759-049-60	s	IC SN74HC08APW
IC502	8-759-260-55	s	IC TLC272CPW (E05)
IC503	8-759-987-27	s	IC LM1881M

(MS-59 BOARD (FOR BKP-9057))

Ref. No. or Q'ty	Part No.	SP	Description
IC506	8-759-049-59	s	IC SN74HC04APW-EL
IC507	8-759-058-54	s	IC TC7S00FU-TE85R
IC508	8-759-195-81	s	IC TC7S86FU
IC509	8-759-058-62	s	IC TC7S08FU-TE85R
IC510	8-759-082-61	s	IC TC4W53FU
L10	1-412-026-11	s	CHIP INDUCTOR 1UH (3225)
L11	1-412-026-11	s	CHIP INDUCTOR 1UH (3225)
L100	1-412-026-11	s	CHIP INDUCTOR 1UH (3225)
L101	1-412-026-11	s	CHIP INDUCTOR 1UH (3225)
L102	1-412-026-11	s	CHIP INDUCTOR 1UH (3225)
L103	1-412-026-11	s	CHIP INDUCTOR 1UH (3225)
L104	1-412-026-11	s	CHIP INDUCTOR 1UH (3225)
L200	1-412-026-11	s	CHIP INDUCTOR 1UH (3225)
L201	1-412-026-11	s	CHIP INDUCTOR 1UH (3225)
L202	1-412-026-11	s	CHIP INDUCTOR 1UH (3225)
L203	1-412-026-11	s	CHIP INDUCTOR 1UH (3225)
L204	1-412-026-11	s	CHIP INDUCTOR 1UH (3225)
L300	1-412-026-11	s	CHIP INDUCTOR 1UH (3225)
L301	1-412-026-11	s	CHIP INDUCTOR 1UH (3225)
L302	1-412-026-11	s	CHIP INDUCTOR 1UH (3225)
L303	1-412-026-11	s	CHIP INDUCTOR 1UH (3225)
L304	1-412-026-11	s	CHIP INDUCTOR 1UH (3225)
L500	1-412-026-11	s	CHIP INDUCTOR 1UH (3225)
L501	1-412-026-11	s	CHIP INDUCTOR 1UH (3225)
L502	1-412-026-11	s	CHIP INDUCTOR 1UH (3225)
L503	1-412-026-11	s	CHIP INDUCTOR 1UH (3225)
L504	1-412-026-11	s	CHIP INDUCTOR 1UH (3225)
L505	1-412-026-11	s	CHIP INDUCTOR 1UH (3225)
Q10	8-729-028-91	s	TRANSISTOR DTA144EUA-T106
Q11	8-729-028-91	s	TRANSISTOR DTA144EUA-T106
Q14	8-729-028-91	s	TRANSISTOR DTA144EUA-T106
Q17	8-729-028-91	s	TRANSISTOR DTA144EUA-T106
Q18	8-729-028-91	s	TRANSISTOR DTA144EUA-T106
Q19	8-729-028-91	s	TRANSISTOR DTA144EUA-T106
Q22	8-729-028-91	s	TRANSISTOR DTA144EUA-T106
Q24	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q26	8-729-101-07	s	TRANSISTOR 2SB798
Q28	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q29	8-729-929-32	s	TRANSISTOR DTC144TE
Q100	8-729-026-32	s	TRANSISTOR XP6534-TX
Q101	8-729-122-63	s	TRANSISTOR 2SA1226-E4
Q102	8-729-102-07	s	TRANSISTOR 2SC2223-F13
Q103	8-729-040-48	s	TRANSISTOR 2SA1688-4-SONY-TL
Q104	8-729-230-38	s	TRANSISTOR 2SC4215Y
Q105	8-729-026-34	s	TRANSISTOR XP6435-TX
Q106	8-729-230-38	s	TRANSISTOR 2SC4215Y
Q107	8-729-040-48	s	TRANSISTOR 2SA1688-4-SONY-TL
Q108	8-729-026-34	s	TRANSISTOR XP6435-TX
Q109	8-729-026-32	s	TRANSISTOR XP6534-TX
Q110	8-729-026-34	s	TRANSISTOR XP6435-TX
Q111	8-729-040-48	s	TRANSISTOR 2SA1688-4-SONY-TL
Q112	8-729-230-38	s	TRANSISTOR 2SC4215Y
Q113	8-729-230-38	s	TRANSISTOR 2SC4215Y
Q114	8-729-024-56	s	TRANSISTOR 2SA1808
Q115	8-729-230-38	s	TRANSISTOR 2SC4215Y
Q116	8-729-040-48	s	TRANSISTOR 2SA1688-4-SONY-TL
Q117	8-729-230-38	s	TRANSISTOR 2SC4215Y
Q118	8-729-040-48	s	TRANSISTOR 2SA1688-4-SONY-TL

(MS-59 BOARD (FOR BKP-9057))

Ref. No. or Q'ty	Part No.	SP	Description
Q181	8-729-117-32	s	TRANSISTOR 2SC4177
Q182	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q200	8-729-026-32	s	TRANSISTOR XP6534-TX
Q201	8-729-122-63	s	TRANSISTOR 2SA1226-E4
Q202	8-729-102-07	s	TRANSISTOR 2SC2223-F13
Q203	8-729-040-48	s	TRANSISTOR 2SA1688-4-SONY-TL
Q204	8-729-230-38	s	TRANSISTOR 2SC4215Y
Q205	8-729-026-34	s	TRANSISTOR XP6435-TX
Q206	8-729-230-38	s	TRANSISTOR 2SC4215Y
Q207	8-729-040-48	s	TRANSISTOR 2SA1688-4-SONY-TL
Q208	8-729-427-83	s	TRANSISTOR XP6501-TXE
Q209	8-729-427-83	s	TRANSISTOR XP6501-TXE
Q210	8-729-427-83	s	TRANSISTOR XP6501-TXE
Q211	8-729-026-34	s	TRANSISTOR XP6435-TX
Q212	8-729-026-32	s	TRANSISTOR XP6534-TX
Q213	8-729-026-34	s	TRANSISTOR XP6435-TX
Q214	8-729-040-48	s	TRANSISTOR 2SA1688-4-SONY-TL
Q215	8-729-230-38	s	TRANSISTOR 2SC4215Y
Q216	8-729-230-38	s	TRANSISTOR 2SC4215Y
Q217	8-729-024-56	s	TRANSISTOR 2SA1808
Q218	8-729-230-38	s	TRANSISTOR 2SC4215Y
Q219	8-729-040-48	s	TRANSISTOR 2SA1688-4-SONY-TL
Q220	8-729-230-38	s	TRANSISTOR 2SC4215Y
Q221	8-729-040-48	s	TRANSISTOR 2SA1688-4-SONY-TL
Q232	8-729-117-32	s	TRANSISTOR 2SC4177
Q233	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q300	8-729-026-32	s	TRANSISTOR XP6534-TX
Q301	8-729-122-63	s	TRANSISTOR 2SA1226-E4
Q302	8-729-102-07	s	TRANSISTOR 2SC2223-F13
Q303	8-729-040-48	s	TRANSISTOR 2SA1688-4-SONY-TL
Q304	8-729-230-38	s	TRANSISTOR 2SC4215Y
Q305	8-729-026-34	s	TRANSISTOR XP6435-TX
Q306	8-729-230-38	s	TRANSISTOR 2SC4215Y
Q307	8-729-040-48	s	TRANSISTOR 2SA1688-4-SONY-TL
Q308	8-729-026-34	s	TRANSISTOR XP6435-TX
Q309	8-729-026-32	s	TRANSISTOR XP6534-TX
Q310	8-729-026-34	s	TRANSISTOR XP6435-TX
Q311	8-729-040-48	s	TRANSISTOR 2SA1688-4-SONY-TL
Q312	8-729-230-38	s	TRANSISTOR 2SC4215Y
Q313	8-729-230-38	s	TRANSISTOR 2SC4215Y
Q314	8-729-024-56	s	TRANSISTOR 2SA1808
Q315	8-729-230-38	s	TRANSISTOR 2SC4215Y
Q316	8-729-040-48	s	TRANSISTOR 2SA1688-4-SONY-TL
Q317	8-729-230-38	s	TRANSISTOR 2SC4215Y
Q318	8-729-040-48	s	TRANSISTOR 2SA1688-4-SONY-TL
Q500	8-729-230-38	s	TRANSISTOR 2SC4215Y
Q501	8-729-230-38	s	TRANSISTOR 2SC4215Y
Q502	8-729-230-38	s	TRANSISTOR 2SC4215Y
Q503	8-729-040-48	s	TRANSISTOR 2SA1688-4-SONY-TL
Q504	8-729-040-48	s	TRANSISTOR 2SA1688-4-SONY-TL
Q505	8-729-040-48	s	TRANSISTOR 2SA1688-4-SONY-TL
Q506	8-729-040-48	s	TRANSISTOR 2SA1688-4-SONY-TL
Q507	8-729-821-88	s	TRANSISTOR 2SK1332-3
Q508	8-729-821-88	s	TRANSISTOR 2SK1332-3
Q509	8-729-821-88	s	TRANSISTOR 2SK1332-3
Q510	8-729-230-38	s	TRANSISTOR 2SC4215Y
Q511	8-729-230-38	s	TRANSISTOR 2SC4215Y
Q512	8-729-040-48	s	TRANSISTOR 2SA1688-4-SONY-TL
Q513	8-729-230-38	s	TRANSISTOR 2SC4215Y

(MS-59 BOARD (FOR BKP-9057))

Ref. No. or Q'ty	Part No.	SP	Description
Q514	8-729-821-88	s	TRANSISTOR 2SK1332-3
Q515	8-729-230-38	s	TRANSISTOR 2SC4215Y
Q516	8-729-117-32	s	TRANSISTOR 2SC4177
Q517	8-729-230-38	s	TRANSISTOR 2SC4215Y
Q518	8-729-230-38	s	TRANSISTOR 2SC4215Y
Q519	8-729-821-88	s	TRANSISTOR 2SK1332-3
Q520	8-729-230-38	s	TRANSISTOR 2SC4215Y
Q521	8-729-040-48	s	TRANSISTOR 2SA1688-4-SONY-TL
Q522	8-729-230-38	s	TRANSISTOR 2SC4215Y
Q523	8-729-821-88	s	TRANSISTOR 2SK1332-3
Q524	8-729-040-48	s	TRANSISTOR 2SA1688-4-SONY-TL
Q525	8-729-425-41	s	TRANSISTOR 2SK1374 (0.15W)
Q526	8-729-026-32	s	TRANSISTOR XP6534-TX
Q530	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q531	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q532	8-729-117-32	s	TRANSISTOR 2SC4177
Q533	8-729-117-16	s	TRANSISTOR 2SA1611M6
Q534	8-729-040-48	s	TRANSISTOR 2SA1688-4-SONY-TL
Q535	8-729-040-48	s	TRANSISTOR 2SA1688-4-SONY-TL
R47	1-218-728-11	s	RESISTOR,METAL 33K 1/16W
R49	1-218-728-11	s	RESISTOR,METAL 33K 1/16W
R54	1-218-728-11	s	RESISTOR,METAL 33K 1/16W
R55	1-218-728-11	s	RESISTOR,METAL 33K 1/16W
R57	1-218-728-11	s	RESISTOR,METAL 33K 1/16W
R58	1-218-724-11	s	RESISTOR,CHIP 22K 1/16W(1608)
R59	1-218-724-11	s	RESISTOR,CHIP 22K 1/16W(1608)
R60	1-218-724-11	s	RESISTOR,CHIP 22K 1/16W(1608)
R61	1-218-728-11	s	RESISTOR,METAL 33K 1/16W
R65	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R74	1-218-668-11	s	RESISTOR,CHIP 100 1/16W (1608)
R77	1-218-668-11	s	RESISTOR,CHIP 100 1/16W (1608)
R78	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R85	1-218-703-11	s	RESISTOR,METAL 3.0K 1/16(1608)
R86	1-218-724-11	s	RESISTOR,CHIP 22K 1/16W(1608)
R88	1-218-740-11	s	RESISTOR,CHIP 100K 1/16W(1608)
R89	1-218-740-11	s	RESISTOR,CHIP 100K 1/16W(1608)
R90	1-218-740-11	s	RESISTOR,CHIP 100K 1/16W(1608)
R91	1-218-740-11	s	RESISTOR,CHIP 100K 1/16W(1608)
R92	1-218-740-11	s	RESISTOR,CHIP 100K 1/16W(1608)
R100	1-218-703-11	s	RESISTOR,METAL 3.0K 1/16(1608)
R101	1-218-722-11	s	RESISTOR, CHIP 18K 1/16W 1608
R102	1-218-728-11	s	RESISTOR,METAL 33K 1/16W
R103	1-218-698-11	s	RESISTOR,CHIP 1.8K 1/16W(1608)
R104	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R105	1-218-696-11	s	RESISTOR CHIP 1.5K 1/16W(1608)
R106	1-218-698-11	s	RESISTOR,CHIP 1.8K 1/16W(1608)
R107	1-218-694-11	s	RESISTOR CHIP 1.2K1/16W(1608)
R108	1-218-694-11	s	RESISTOR CHIP 1.2K1/16W(1608)
R109	1-218-710-11	s	RESISTOR,CHIP 5.6K 1/16W(1608)
R110	1-218-674-11	s	RESISTOR CHIP 180 1/16W (1608)
R111	1-216-864-11	s	RESISTOR,CHIP 0 1/16W (1608)
R112	1-218-696-11	s	RESISTOR CHIP 1.5K 1/16W(1608)
R113	1-218-676-11	s	RESISTOR,CHIP 220 1/16W(1608)
R114	1-218-712-11	s	RESISTOR,METAL 6.8K 1/16W
R115	1-218-708-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R116	1-218-668-11	s	RESISTOR,CHIP 100 1/16W (1608)
R117	1-218-712-11	s	RESISTOR,METAL 6.8K 1/16W
R118	1-218-700-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R119	1-218-684-11	s	RESISTOR CHIP 470 1/16W (1608)

(MS-59 BOARD (FOR BKP-9057))

Ref. No. or Q'ty	Part No.	SP	Description
R120	1-218-704-11	s	RESISTOR,CHIP 3.3K 1/16W(1608)
R121	1-218-668-11	s	RESISTOR,CHIP 100 1/16W (1608)
R122	1-218-718-11	s	RESISTOR CHIP 12K 1/16W (1608)
R123	1-218-719-11	s	RESISTOR,METAL 13K 1/16
R124	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R125	1-218-705-11	s	RESISTOR,CHIP 3.6K 1/16W(1608)
R126	1-218-708-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R127	1-218-668-11	s	RESISTOR,CHIP 100 1/16W (1608)
R128	1-216-857-11	s	RESISTOR, CHIP 1.0M 1/16W 1608
R129	1-218-712-11	s	RESISTOR,METAL 6.8K 1/16W
R130	1-218-712-11	s	RESISTOR,METAL 6.8K 1/16W
R131	1-218-680-11	s	RESISTOR,CHIP 330 1/16W(1608)
R132	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R133	1-218-696-11	s	RESISTOR CHIP 1.5K 1/16W(1608)
R134	1-218-700-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R135	1-218-696-11	s	RESISTOR CHIP 1.5K 1/16W(1608)
R136	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R137	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R138	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R141	1-218-700-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R142	1-218-710-11	s	RESISTOR,CHIP 5.6K 1/16W(1608)
R143	1-218-694-11	s	RESISTOR CHIP 1.2K1/16W(1608)
R144	1-218-699-11	s	RESISTOR CHIP 2.0K 1/16W(1608)
R145	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R146	1-218-701-11	s	RESISTOR,CHIP 2.4K 1/16W(1608)
R147	1-218-684-11	s	RESISTOR CHIP 470 1/16W (1608)
R148	1-218-696-11	s	RESISTOR CHIP 1.5K 1/16W(1608)
R149	1-218-699-11	s	RESISTOR CHIP 2.0K 1/16W(1608)
R150	1-218-706-11	s	RESISTOR,CHIP 3.9K 1/16W(1608)
R151	1-216-789-11	s	RESISTOR,CHIP 2.2 1/16W(1608)
R152	1-216-789-11	s	RESISTOR,CHIP 2.2 1/16W(1608)
R153	1-218-665-11	s	RESISTOR CHIP 75 1/16W (1608)
R181	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R182	1-218-708-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R183	1-218-708-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R200	1-216-857-11	s	RESISTOR, CHIP 1.0M 1/16W 1608
R201	1-218-700-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R202	1-218-668-11	s	RESISTOR,CHIP 100 1/16W (1608)
R203	1-218-718-11	s	RESISTOR CHIP 12K 1/16W (1608)
R204	1-218-738-11	s	RESISTOR,CHIP 82K 1/16W(1608)
R205	1-218-742-11	s	RESISTOR,METAL 120K 1/16
R206	1-218-698-11	s	RESISTOR,CHIP 1.8K 1/16W(1608)
R207	1-218-694-11	s	RESISTOR CHIP 1.2K1/16W(1608)
R208	1-218-704-11	s	RESISTOR,CHIP 3.3K 1/16W(1608)
R209	1-218-682-11	s	RESISTOR CHIP 390 1/16W (1608)
R211	1-218-712-11	s	RESISTOR,METAL 6.8K 1/16W
R212	1-218-688-11	s	RESISTOR,CHIP 680 1/16W(1608)
R213	1-218-698-11	s	RESISTOR,CHIP 1.8K 1/16W(1608)
R214	1-218-710-11	s	RESISTOR,CHIP 5.6K 1/16W(1608)
R215	1-218-661-11	s	RESISTOR,CHIP 51 1/16W (1608)
R216	1-218-696-11	s	RESISTOR CHIP 1.5K 1/16W(1608)
R217	1-218-676-11	s	RESISTOR,CHIP 220 1/16W(1608)
R218	1-218-712-11	s	RESISTOR,METAL 6.8K 1/16W
R219	1-218-708-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R220	1-218-668-11	s	RESISTOR,CHIP 100 1/16W (1608)
R221	1-218-712-11	s	RESISTOR,METAL 6.8K 1/16W
R222	1-218-700-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R223	1-218-684-11	s	RESISTOR CHIP 470 1/16W (1608)
R224	1-218-704-11	s	RESISTOR,CHIP 3.3K 1/16W(1608)

(MS-59 BOARD (FOR BKP-9057))

Ref. No. or Q'ty	Part No.	SP	Description
R225	1-218-668-11	s	RESISTOR,CHIP 100 1/16W (1608)
R226	1-218-718-11	s	RESISTOR CHIP 12K 1/16W (1608)
R227	1-218-719-11	s	RESISTOR,METAL 13K 1/16
R228	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R229	1-218-705-11	s	RESISTOR,CHIP 3.6K 1/16W(1608)
R230	1-218-708-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R231	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R232	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R233	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R234	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R235	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R236	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R237	1-218-740-11	s	RESISTOR,CHIP 100K 1/16W(1608)
R238	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R239	1-218-718-11	s	RESISTOR CHIP 12K 1/16W (1608)
R240	1-218-668-11	s	RESISTOR,CHIP 100 1/16W (1608)
R241	1-216-857-11	s	RESISTOR, CHIP 1.0M 1/16W 1608
R242	1-218-712-11	s	RESISTOR,METAL 6.8K 1/16W
R243	1-218-712-11	s	RESISTOR,METAL 6.8K 1/16W
R244	1-218-680-11	s	RESISTOR,CHIP 330 1/16W(1608)
R245	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R246	1-218-696-11	s	RESISTOR CHIP 1.5K 1/16W(1608)
R247	1-218-700-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R248	1-218-696-11	s	RESISTOR CHIP 1.5K 1/16W(1608)
R249	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R250	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R251	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R252	1-218-705-11	s	RESISTOR,CHIP 3.6K 1/16W(1608)
R253	1-218-718-11	s	RESISTOR CHIP 12K 1/16W (1608)
R255	1-218-700-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R256	1-218-710-11	s	RESISTOR,CHIP 5.6K 1/16W(1608)
R257	1-218-694-11	s	RESISTOR CHIP 1.2K1/16W(1608)
R258	1-218-699-11	s	RESISTOR CHIP 2.0K 1/16W(1608)
R259	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R260	1-218-699-11	s	RESISTOR CHIP 2.0K 1/16W(1608)
R261	1-218-701-11	s	RESISTOR,CHIP 2.4K 1/16W(1608)
R262	1-218-684-11	s	RESISTOR CHIP 470 1/16W (1608)
R263	1-218-696-11	s	RESISTOR CHIP 1.5K 1/16W(1608)
R264	1-218-706-11	s	RESISTOR,CHIP 3.9K 1/16W(1608)
R265	1-216-789-11	s	RESISTOR,CHIP 2.2 1/16W(1608)
R266	1-216-789-11	s	RESISTOR,CHIP 2.2 1/16W(1608)
R267	1-218-668-11	s	RESISTOR,CHIP 100 1/16W (1608)
R268	1-218-665-11	s	RESISTOR CHIP 75 1/16W (1608)
R270	1-218-722-11	s	RESISTOR, CHIP 18K 1/16W 1608
R293	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R294	1-218-708-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R295	1-218-708-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R300	1-218-704-11	s	RESISTOR,CHIP 3.3K 1/16W(1608)
R301	1-218-724-11	s	RESISTOR,CHIP 22K 1/16W(1608)
R302	1-218-728-11	s	RESISTOR,METAL 33K 1/16W
R303	1-218-700-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R304	1-218-684-11	s	RESISTOR CHIP 470 1/16W (1608)
R305	1-218-698-11	s	RESISTOR,CHIP 1.8K 1/16W(1608)
R306	1-218-696-11	s	RESISTOR CHIP 1.5K 1/16W(1608)
R307	1-218-694-11	s	RESISTOR CHIP 1.2K1/16W(1608)
R308	1-218-697-11	s	RESISTOR,CHIP 1.6K 1/16W(1608)
R309	1-218-710-11	s	RESISTOR,CHIP 5.6K 1/16W(1608)
R310	1-216-864-11	s	RESISTOR,CHIP 0 1/16W (1608)
R311	1-216-864-11	s	RESISTOR,CHIP 0 1/16W (1608)

(MS-59 BOARD (FOR BKP-9057))

Ref. No. or Q'ty	Part No.	SP	Description
R312	1-218-696-11	s	RESISTOR CHIP 1.5K 1/16W(1608)
R313	1-218-676-11	s	RESISTOR,CHIP 220 1/16W(1608)
R314	1-218-712-11	s	RESISTOR,METAL 6.8K 1/16W
R315	1-218-708-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R316	1-218-668-11	s	RESISTOR,CHIP 100 1/16W (1608)
R317	1-218-712-11	s	RESISTOR,METAL 6.8K 1/16W
R318	1-218-700-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R319	1-218-684-11	s	RESISTOR CHIP 470 1/16W (1608)
R320	1-218-704-11	s	RESISTOR,CHIP 3.3K 1/16W(1608)
R321	1-218-668-11	s	RESISTOR,CHIP 100 1/16W (1608)
R322	1-218-718-11	s	RESISTOR CHIP 12K 1/16W (1608)
R323	1-218-719-11	s	RESISTOR,METAL 13K 1/16
R324	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R325	1-218-705-11	s	RESISTOR,CHIP 3.6K 1/16W(1608)
R326	1-218-708-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R327	1-216-855-11	s	RESISTOR, CHIP 680K 1/16W 1608
R328	1-218-740-11	s	RESISTOR,CHIP 100K 1/16W(1608)
R329	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R330	1-218-740-11	s	RESISTOR,CHIP 100K 1/16W(1608)
R331	1-218-668-11	s	RESISTOR,CHIP 100 1/16W (1608)
R332	1-216-857-11	s	RESISTOR, CHIP 1.0M 1/16W 1608
R333	1-218-712-11	s	RESISTOR,METAL 6.8K 1/16W
R334	1-218-712-11	s	RESISTOR,METAL 6.8K 1/16W
R335	1-218-680-11	s	RESISTOR,CHIP 330 1/16W(1608)
R336	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R337	1-218-696-11	s	RESISTOR CHIP 1.5K 1/16W(1608)
R338	1-218-700-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R339	1-218-696-11	s	RESISTOR CHIP 1.5K 1/16W(1608)
R340	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R341	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R342	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R345	1-218-700-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R346	1-218-710-11	s	RESISTOR,CHIP 5.6K 1/16W(1608)
R347	1-218-694-11	s	RESISTOR CHIP 1.2K1/16W(1608)
R348	1-218-699-11	s	RESISTOR CHIP 2.0K 1/16W(1608)
R349	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R350	1-218-699-11	s	RESISTOR CHIP 2.0K 1/16W(1608)
R351	1-218-701-11	s	RESISTOR,CHIP 2.4K 1/16W(1608)
R352	1-218-684-11	s	RESISTOR CHIP 470 1/16W (1608)
R353	1-218-696-11	s	RESISTOR CHIP 1.5K 1/16W(1608)
R354	1-218-706-11	s	RESISTOR,CHIP 3.9K 1/16W(1608)
R355	1-216-789-11	s	RESISTOR,CHIP 2.2 1/16W(1608)
R356	1-216-789-11	s	RESISTOR,CHIP 2.2 1/16W(1608)
R357	1-218-665-11	s	RESISTOR CHIP 75 1/16W (1608)
R500	1-218-708-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R501	1-218-724-11	s	RESISTOR,CHIP 22K 1/16W(1608)
R502	1-218-708-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R503	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R504	1-218-712-11	s	RESISTOR,METAL 6.8K 1/16W
R505	1-218-724-11	s	RESISTOR,CHIP 22K 1/16W(1608)
R506	1-218-724-11	s	RESISTOR,CHIP 22K 1/16W(1608)
R507	1-218-724-11	s	RESISTOR,CHIP 22K 1/16W(1608)
R508	1-218-676-11	s	RESISTOR,CHIP 220 1/16W(1608)
R509	1-218-676-11	s	RESISTOR,CHIP 220 1/16W(1608)
R510	1-218-676-11	s	RESISTOR,CHIP 220 1/16W(1608)
R511	1-218-706-11	s	RESISTOR,CHIP 3.9K 1/16W(1608)
R512	1-218-706-11	s	RESISTOR,CHIP 3.9K 1/16W(1608)
R513	1-218-706-11	s	RESISTOR,CHIP 3.9K 1/16W(1608)
R514	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)

(MS-59 BOARD (FOR BKP-9057))

Ref. No. or Q'ty	Part No.	SP	Description
R515	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R516	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R517	1-218-684-11	s	RESISTOR CHIP 470 1/16W (1608)
R518	1-218-684-11	s	RESISTOR CHIP 470 1/16W (1608)
R519	1-218-684-11	s	RESISTOR CHIP 470 1/16W (1608)
R520	1-218-704-11	s	RESISTOR,CHIP 3.3K 1/16W(1608)
R521	1-218-668-11	s	RESISTOR,CHIP 100 1/16W (1608)
R522	1-218-706-11	s	RESISTOR,CHIP 3.9K 1/16W(1608)
R523	1-218-712-11	s	RESISTOR,METAL 6.8K 1/16W
R524	1-218-708-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R525	1-218-684-11	s	RESISTOR CHIP 470 1/16W (1608)
R526	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R527	1-218-684-11	s	RESISTOR CHIP 470 1/16W (1608)
R528	1-218-708-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R529	1-218-740-11	s	RESISTOR,CHIP 100K 1/16W(1608)
R530	1-218-735-11	s	RESISTOR CHIP 62K 1/16W(1608)
R531	1-218-708-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R532	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R533	1-218-722-11	s	RESISTOR, CHIP 18K 1/16W 1608
R534	1-218-688-11	s	RESISTOR,CHIP 680 1/16W(1608)
R535	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R536	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R537	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R538	1-218-683-11	s	RESISTOR CHIP 430 1/16W (1608)
R539	1-218-708-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R540	1-218-682-11	s	RESISTOR CHIP 390 1/16W (1608)
R541	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R542	1-218-704-11	s	RESISTOR,CHIP 3.3K 1/16W(1608)
R543	1-218-668-11	s	RESISTOR,CHIP 100 1/16W (1608)
R544	1-218-708-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R545	1-218-714-11	s	RESISTOR,CHIP 8.2K 1/16W(1608)
R546	1-218-710-11	s	RESISTOR,CHIP 5.6K 1/16W(1608)
R547	1-218-714-11	s	RESISTOR,CHIP 8.2K 1/16W(1608)
R548	1-218-696-11	s	RESISTOR CHIP 1.5K 1/16W(1608)
R549	1-218-734-11	s	RESISTOR,CHIP 56K 1/16W(1608)
R550	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R551	1-218-668-11	s	RESISTOR,CHIP 100 1/16W (1608)
R552	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R553	1-218-740-11	s	RESISTOR,CHIP 100K 1/16W(1608)
R554	1-218-740-11	s	RESISTOR,CHIP 100K 1/16W(1608)
R555	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R556	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R557	1-216-864-11	s	RESISTOR,CHIP 0 1/16W (1608)
R558	1-218-704-11	s	RESISTOR,CHIP 3.3K 1/16W(1608)
R559	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R560	1-218-700-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R561	1-218-676-11	s	RESISTOR,CHIP 220 1/16W(1608)
R562	1-218-700-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R563	1-218-708-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R564	1-218-706-11	s	RESISTOR,CHIP 3.9K 1/16W(1608)
R565	1-216-855-11	s	RESISTOR, CHIP 680K 1/16W 1608
R584	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R585	1-218-740-11	s	RESISTOR,CHIP 100K 1/16W(1608)
R586	1-218-668-11	s	RESISTOR,CHIP 100 1/16W (1608)
R587	1-218-722-11	s	RESISTOR, CHIP 18K 1/16W 1608
R588	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R589	1-218-740-11	s	RESISTOR,CHIP 100K 1/16W(1608)
R590	1-218-668-11	s	RESISTOR,CHIP 100 1/16W (1608)
R591	1-218-668-11	s	RESISTOR,CHIP 100 1/16W (1608)

(MS-59 BOARD (FOR BKP-9057))

Ref. No. or Q'ty	Part No.	SP	Description
R592	1-218-722-11	s	RESISTOR, CHIP 18K 1/16W 1608
R593	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R594	1-218-708-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R595	1-218-708-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R596	1-218-724-11	s	RESISTOR,CHIP 22K 1/16W(1608)
R597	1-218-708-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R598	1-218-708-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R599	1-218-708-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R600	1-218-736-11	s	RESISTOR,CHIP 68K 1/16W(1608)
RV100	1-237-036-11	s	RESISTOR, ADJ,CERMET 10K
RV200	1-237-036-11	s	RESISTOR, ADJ,CERMET 10K
RV300	1-237-036-11	s	RESISTOR, ADJ,CERMET 10K
RV500	1-237-034-11	s	RESISTOR,ADJ,CERMET 2K
RV501	1-237-034-11	s	RESISTOR,ADJ,CERMET 2K
RV502	1-237-038-11	s	RESISTOR,ADJ,CERMET 50K
RV503	1-237-036-11	s	RESISTOR, ADJ,CERMET 10K

MS-60 BOARD (FOR BKP-9057)

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8322-814-A	o	MOUNTED CIRCUIT BOARD, MS-60
C1	1-104-852-11	s	CAPACITOR,TANTALUM 22MF/10V
C3	1-104-752-11	s	CAPACITOR TANTALUM 33MF/6.3V
C5	1-104-851-11	s	CAPACITOR,TANTALUM 10MF/10V
C6	1-104-851-11	s	CAPACITOR,TANTALUM 10MF/10V
C100	1-104-852-11	s	CAPACITOR,TANTALUM 22MF/10V
C101	1-162-919-11	s	CAPACITOR,CERAMIC 22PF/50V CH
C102	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C103	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C104	1-162-916-11	s	CAPACITOR,CERAMIC 12PF/50V CH
C105	1-104-851-11	s	CAPACITOR,TANTALUM 10MF/10V
C106	1-104-851-11	s	CAPACITOR,TANTALUM 10MF/10V
C107	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C108	1-104-752-11	s	CAPACITOR TANTALUM 33MF/6.3V
C109	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C110	1-162-915-11	s	CAPACITOR,CERAMIC 10PF/50V CH
C111	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C112	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C113	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C114	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C115	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C116	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C117	1-104-852-11	s	CAPACITOR,TANTALUM 22MF/10V
C118	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C119	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C120	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C121	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C122	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C123	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C124	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C125	1-104-852-11	s	CAPACITOR,TANTALUM 22MF/10V
C126	1-162-923-11	s	CAPACITOR,CERAMIC 47PF/50V CH
C127	1-162-926-11	s	CAPACITOR,CERAMIC 82PF/50V CH
C128	1-162-923-11	s	CAPACITOR,CERAMIC 47PF/50V CH
C129	1-164-505-11	s	CAPACITOR,CHIP CERAMIC 2.2MF
C130	1-162-928-11	s	CAPACITOR,CERAMIC 120PF/50V CH
C131	1-162-919-11	s	CAPACITOR,CERAMIC 22PF/50V CH
C132	1-162-923-11	s	CAPACITOR,CERAMIC 47PF/50V CH
C133	1-162-923-11	s	CAPACITOR,CERAMIC 47PF/50V CH
C134	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C135	1-135-177-21	s	CAPACITOR TANTALUM 1MF/25V
C136	1-104-851-11	s	CAPACITOR,TANTALUM 10MF/10V
C137	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C138	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C139	1-163-275-11	s	CAPACITOR CERAMIC 1000PF/50V
C140	1-162-915-11	s	CAPACITOR,CERAMIC 10PF/50V CH
C141	1-104-752-11	s	CAPACITOR TANTALUM 33MF/6.3V
C142	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C143	1-135-177-21	s	CAPACITOR TANTALUM 1MF/25V
C144	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C145	1-165-176-11	s	CAPACITOR,CERAMIC 47000PF/16V
C146	1-165-176-11	s	CAPACITOR,CERAMIC 47000PF/16V
C147	1-135-145-11	s	CAPACITOR TANTALUM 0.47MF/35V
C148	1-107-823-11	s	CAPACITOR,CERAMIC 0.47MF/16V
C149	1-135-177-21	s	CAPACITOR TANTALUM 1MF/25V
C150	1-104-852-11	s	CAPACITOR,TANTALUM 22MF/10V
C151	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C152	1-163-275-11	s	CAPACITOR CERAMIC 1000PF/50V

(MS-60 BOARD (FOR BKP-9057))

Ref. No. or Q'ty	Part No.	SP	Description
C153	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C154	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C155	1-162-928-11	s	CAPACITOR,CERAMIC 120PF/50V CH
C156	1-162-928-11	s	CAPACITOR,CERAMIC 120PF/50V CH
C157	1-164-505-11	s	CAPACITOR,CHIP CERAMIC 2.2MF
C158	1-162-928-11	s	CAPACITOR,CERAMIC 120PF/50V CH
C159	1-162-928-11	s	CAPACITOR,CERAMIC 120PF/50V CH
C160	1-164-505-11	s	CAPACITOR,CHIP CERAMIC 2.2MF
C161	1-104-851-11	s	CAPACITOR,TANTALUM 10MF/10V
C200	1-104-852-11	s	CAPACITOR,TANTALUM 22MF/10V
C201	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C202	1-104-851-11	s	CAPACITOR,TANTALUM 10MF/10V
C203	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C204	1-164-739-11	s	CAPACITOR CERAMIC 560PF (1608)
C205	1-162-928-11	s	CAPACITOR,CERAMIC 120PF/50V CH
C206	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C207	1-164-739-11	s	CAPACITOR CERAMIC 560PF (1608)
C208	1-104-852-11	s	CAPACITOR,TANTALUM 22MF/10V
C209	1-104-752-11	s	CAPACITOR TANTALUM 33MF/6.3V
C210	1-162-917-11	s	CAPACITOR,CERAMIC 15PF/50V CH
C211	1-162-923-11	s	CAPACITOR,CERAMIC 47PF/50V CH
C212	1-162-923-11	s	CAPACITOR,CERAMIC 47PF/50V CH
C213	1-162-923-11	s	CAPACITOR,CERAMIC 47PF/50V CH
C214	1-162-917-11	s	CAPACITOR,CERAMIC 15PF/50V CH
C215	1-162-923-11	s	CAPACITOR,CERAMIC 47PF/50V CH
C216	1-162-917-11	s	CAPACITOR,CERAMIC 15PF/50V CH
C217	1-162-923-11	s	CAPACITOR,CERAMIC 47PF/50V CH
C218	1-162-923-11	s	CAPACITOR,CERAMIC 47PF/50V CH
C219	1-104-851-11	s	CAPACITOR,TANTALUM 10MF/10V
C220	1-164-505-11	s	CAPACITOR,CHIP CERAMIC 2.2MF
C221	1-164-505-11	s	CAPACITOR,CHIP CERAMIC 2.2MF
C222	1-164-505-11	s	CAPACITOR,CHIP CERAMIC 2.2MF
C223	1-162-928-11	s	CAPACITOR,CERAMIC 120PF/50V CH
C224	1-104-852-11	s	CAPACITOR,TANTALUM 22MF/10V
C225	1-104-851-11	s	CAPACITOR,TANTALUM 10MF/10V
C226	1-104-851-11	s	CAPACITOR,TANTALUM 10MF/10V
C227	1-104-851-11	s	CAPACITOR,TANTALUM 10MF/10V
C228	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C229	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C230	1-104-852-11	s	CAPACITOR,TANTALUM 22MF/10V
C231	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C232	1-135-180-21	s	CAPACITOR TANTALUM 3.3MF/10V
C233	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C234	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C235	1-104-852-11	s	CAPACITOR,TANTALUM 22MF/10V
C236	1-135-210-11	s	CAPACITOR TANTAL 4.7MF/10V
C237	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C238	1-135-179-21	s	CAPACITOR,TANTALUM 2.2MF/16V
C239	1-135-208-11	s	CAPACITOR TANTALUM 1MF/10V
C240	1-107-826-11	s	CAPACITOR,CHIP CERAMIC 0.1MF
C241	1-104-852-11	s	CAPACITOR,TANTALUM 22MF/10V
C242	1-104-852-11	s	CAPACITOR,TANTALUM 22MF/10V
C243	1-162-923-11	s	CAPACITOR,CERAMIC 47PF/50V CH
C244	1-162-919-11	s	CAPACITOR,CERAMIC 22PF/50V CH
C245	1-162-919-11	s	CAPACITOR,CERAMIC 22PF/50V CH
C246	1-162-916-11	s	CAPACITOR,CERAMIC 12PF/50V CH
C247	1-162-912-11	s	CAPACITOR,CERAMIC 7PF/50V 1608
C248	1-162-912-11	s	CAPACITOR,CERAMIC 7PF/50V 1608
C249	1-162-923-11	s	CAPACITOR,CERAMIC 47PF/50V CH

(MS-60 BOARD (FOR BKP-9057))

Ref. No. or Q'ty	Part No.	SP	Description
C250	1-162-919-11	s	CAPACITOR,CERAMIC 22PF/50V CH
C251	1-162-919-11	s	CAPACITOR,CERAMIC 22PF/50V CH
C252	1-104-852-11	s	CAPACITOR,TANTALUM 22MF/10V
C253	1-104-913-11	s	CAPACITOR,CHIP TANTAL 10MF/16V
C254	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C255	1-104-851-11	s	CAPACITOR,TANTALUM 10MF/10V
C300	1-104-852-11	s	CAPACITOR,TANTALUM 22MF/10V
C301	1-164-505-11	s	CAPACITOR,CHIP CERAMIC 2.2MF
C302	1-164-505-11	s	CAPACITOR,CHIP CERAMIC 2.2MF
C303	1-164-505-11	s	CAPACITOR,CHIP CERAMIC 2.2MF
C304	1-104-851-11	s	CAPACITOR,TANTALUM 10MF/10V
C305	1-104-851-11	s	CAPACITOR,TANTALUM 10MF/10V
C306	1-162-915-11	s	CAPACITOR,CERAMIC 10PF/50V CH
C307	1-104-851-11	s	CAPACITOR,TANTALUM 10MF/10V
C308	1-104-851-11	s	CAPACITOR,TANTALUM 10MF/10V
C309	1-104-752-11	s	CAPACITOR TANTALUM 33MF/6.3V
CN4	1-778-005-21	o	CONNECTOR, BOARD TO BOARD 20P
CT100	1-141-368-11	s	CAPACITOR,CHIP TRIMMER (30P)
CT200	1-141-368-11	s	CAPACITOR,CHIP TRIMMER (30P)
D100	8-719-404-35	s	DIODE MA141WK
D200	8-719-820-41	s	DIODE 1SS302
DL100	1-415-487-11	s	DELAY LINE
IC100	8-759-987-27	s	IC LM1881M
IC101	8-752-372-78	s	IC CXD2024AQ
IC102	8-759-603-54	s	IC M51271FP
IC200	8-759-987-27	s	IC LM1881M
IC201	8-759-058-54	s	IC TC7S00FU-TE85R
IC202	8-759-523-04	s	IC TC74HC4538AFT
IC203	8-759-050-06	s	IC SN74HC157APW
IC204	8-759-523-02	s	IC TC74HC4053AFT(EL)
IC205	8-759-523-04	s	IC TC74HC4538AFT
IC206	8-759-271-16	s	IC MN8232A
IC207	8-759-322-32	s	IC HM53461ZP-12
IC208	8-759-271-17	s	IC MN6790S
IC209	8-759-260-55	s	IC TLC272CPW (E05)
IC300	8-759-523-02	s	IC TC74HC4053AFT(EL)
IC301	8-759-058-54	s	IC TC7S00FU-TE85R
IC302	8-759-049-57	s	IC SN74HC02APWR
L100	1-412-026-11	s	CHIP INDUCTOR 1UH (3225)
L101	1-412-029-11	s	CHIP INDUCTOR 10UH (3225)
L102	1-410-384-31	s	INDUCTOR,CHIP 18UH (3225)
L103	1-410-384-31	s	INDUCTOR,CHIP 18UH (3225)
L104	1-410-378-11	s	INDUCTOR,CHIP 5.6UH (3225)
L105	1-412-026-11	s	CHIP INDUCTOR 1UH (3225)
L106	1-410-393-11	s	CHIP INDUCTOR 100UH (3225)
L107	1-410-393-11	s	CHIP INDUCTOR 100UH (3225)
L200	1-412-029-11	s	CHIP INDUCTOR 10UH (3225)
L201	1-410-388-31	s	CHIP INDUCTOR 39UH
L202	1-410-388-31	s	CHIP INDUCTOR 39UH
L203	1-410-388-31	s	CHIP INDUCTOR 39UH
L204	1-412-026-11	s	CHIP INDUCTOR 1UH (3225)
L205	1-412-029-11	s	CHIP INDUCTOR 10UH (3225)
L206	1-412-031-11	s	CHIP INDUCTOR 47UH (3225)
L207	1-410-385-11	s	CHIP INDUCTOR 22UH (3225)
L208	1-410-388-31	s	CHIP INDUCTOR 39UH

(MS-60 BOARD (FOR BKP-9057))

Ref. No. or Q'ty	Part No.	SP	Description
L209	1-410-388-31	s	CHIP INDUCTOR 39UH
L210	1-412-026-11	s	CHIP INDUCTOR 1UH (3225)
L211	1-412-026-11	s	CHIP INDUCTOR 1UH (3225)
L300	1-412-026-11	s	CHIP INDUCTOR 1UH (3225)
L302	1-412-026-11	s	CHIP INDUCTOR 1UH (3225)
Q1	8-729-230-38	s	TRANSISTOR 2SC4215Y
Q2	8-729-026-32	s	TRANSISTOR XP6534-TX
Q3	8-729-230-38	s	TRANSISTOR 2SC4215Y
Q4	8-729-026-34	s	TRANSISTOR XP6435-TX
Q5	8-729-026-32	s	TRANSISTOR XP6534-TX
Q6	8-729-230-38	s	TRANSISTOR 2SC4215Y
Q7	8-729-026-34	s	TRANSISTOR XP6435-TX
Q100	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q101	8-729-117-32	s	TRANSISTOR 2SC4177
Q102	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q103	8-729-026-32	s	TRANSISTOR XP6534-TX
Q104	8-729-117-32	s	TRANSISTOR 2SC4177
Q105	8-729-026-34	s	TRANSISTOR XP6435-TX
Q106	8-729-040-48	s	TRANSISTOR 2SA1688-4-SONY-TL
Q107	8-729-026-32	s	TRANSISTOR XP6534-TX
Q108	8-729-026-34	s	TRANSISTOR XP6435-TX
Q109	8-729-040-48	s	TRANSISTOR 2SA1688-4-SONY-TL
Q110	8-729-040-48	s	TRANSISTOR 2SA1688-4-SONY-TL
Q111	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q112	8-729-040-48	s	TRANSISTOR 2SA1688-4-SONY-TL
Q113	8-729-040-48	s	TRANSISTOR 2SA1688-4-SONY-TL
Q114	8-729-040-48	s	TRANSISTOR 2SA1688-4-SONY-TL
Q115	8-729-026-32	s	TRANSISTOR XP6534-TX
Q116	8-729-026-32	s	TRANSISTOR XP6534-TX
Q117	8-729-026-34	s	TRANSISTOR XP6435-TX
Q118	8-729-026-34	s	TRANSISTOR XP6435-TX
Q200	8-729-026-32	s	TRANSISTOR XP6534-TX
Q201	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q202	8-729-026-32	s	TRANSISTOR XP6534-TX
Q203	8-729-117-32	s	TRANSISTOR 2SC4177
Q204	8-729-026-34	s	TRANSISTOR XP6435-TX
Q205	8-729-427-83	s	TRANSISTOR XP6501-TXE
Q206	8-729-117-32	s	TRANSISTOR 2SC4177
Q207	8-729-230-38	s	TRANSISTOR 2SC4215Y
Q208	8-729-230-38	s	TRANSISTOR 2SC4215Y
Q209	8-729-230-38	s	TRANSISTOR 2SC4215Y
Q300	8-729-427-83	s	TRANSISTOR XP6501-TXE
Q301	8-729-427-83	s	TRANSISTOR XP6501-TXE
Q302	8-729-427-83	s	TRANSISTOR XP6501-TXE
Q303	8-729-026-32	s	TRANSISTOR XP6534-TX
Q304	8-729-026-34	s	TRANSISTOR XP6435-TX
Q305	8-729-040-48	s	TRANSISTOR 2SA1688-4-SONY-TL
Q306	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q307	8-729-230-38	s	TRANSISTOR 2SC4215Y
Q308	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q309	8-729-230-38	s	TRANSISTOR 2SC4215Y
Q310	8-729-140-63	s	TRANSISTOR 2SA1611-M5M6
Q311	8-729-230-38	s	TRANSISTOR 2SC4215Y
Q312	8-729-026-34	s	TRANSISTOR XP6435-TX
Q313	8-729-026-32	s	TRANSISTOR XP6534-TX
Q314	8-729-026-34	s	TRANSISTOR XP6435-TX
Q315	8-729-026-32	s	TRANSISTOR XP6534-TX
Q316	8-729-026-32	s	TRANSISTOR XP6534-TX
Q317	8-729-230-38	s	TRANSISTOR 2SC4215Y

(MS-60 BOARD (FOR BKP-9057))

Ref. No. or Q'ty	Part No.	SP	Description
Q318	8-729-024-56	s	TRANSISTOR 2SA1808
Q319	8-729-026-34	s	TRANSISTOR XP6435-TX
Q320	8-729-026-34	s	TRANSISTOR XP6435-TX
Q321	8-729-230-38	s	TRANSISTOR 2SC4215Y
Q322	8-729-026-34	s	TRANSISTOR XP6435-TX
Q323	8-729-026-32	s	TRANSISTOR XP6534-TX
R1	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R2	1-218-655-91	s	RESISTOR,CHIP 30 1/16W(1608)
R3	1-218-257-11	s	RESISTOR,CHIP 4990 1/10W(2125)
R4	1-218-254-11	s	RESISTOR,CHIP 2550 1/10W(2125)
R5	1-218-259-11	s	RESISTOR,CHIP 13700 1/10W 2125
R6	1-218-704-11	s	RESISTOR,CHIP 3.3K 1/16W(1608)
R7	1-218-704-11	s	RESISTOR,CHIP 3.3K 1/16W(1608)
R8	1-218-698-11	s	RESISTOR,CHIP 1.8K 1/16W(1608)
R9	1-218-694-11	s	RESISTOR CHIP 1.2K1/16W(1608)
R10	1-218-694-11	s	RESISTOR CHIP 1.2K1/16W(1608)
R11	1-218-685-11	s	RESISTOR, METAL FILM 510 1/16W
R12	1-218-694-11	s	RESISTOR CHIP 1.2K1/16W(1608)
R13	1-218-254-11	s	RESISTOR,CHIP 2550 1/10W(2125)
R14	1-218-259-11	s	RESISTOR,CHIP 13700 1/10W 2125
R15	1-218-718-11	s	RESISTOR CHIP 12K 1/16W (1608)
R16	1-218-713-11	s	RESISTOR,METAL 7.5K 1/16W
R17	1-218-714-11	s	RESISTOR,CHIP 8.2K 1/16W(1608)
R18	1-218-698-11	s	RESISTOR,CHIP 1.8K 1/16W(1608)
R19	1-218-694-11	s	RESISTOR CHIP 1.2K1/16W(1608)
R20	1-218-694-11	s	RESISTOR CHIP 1.2K1/16W(1608)
R21	1-218-685-11	s	RESISTOR, METAL FILM 510 1/16W
R22	1-218-694-11	s	RESISTOR CHIP 1.2K1/16W(1608)
R23	1-218-710-11	s	RESISTOR,CHIP 5.6K 1/16W(1608)
R24	1-218-714-11	s	RESISTOR,CHIP 8.2K 1/16W(1608)
R25	1-218-257-11	s	RESISTOR,CHIP 4990 1/10W(2125)
R26	1-218-254-11	s	RESISTOR,CHIP 2550 1/10W(2125)
R27	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R28	1-218-722-11	s	RESISTOR, CHIP 18K 1/16W 1608
R29	1-218-701-11	s	RESISTOR,CHIP 2.4K 1/16W(1608)
R30	1-218-713-11	s	RESISTOR,METAL 7.5K 1/16W
R31	1-218-714-11	s	RESISTOR,CHIP 8.2K 1/16W(1608)
R100	1-218-724-11	s	RESISTOR,CHIP 22K 1/16W(1608)
R101	1-218-668-11	s	RESISTOR,CHIP 100 1/16W (1608)
R102	1-218-712-11	s	RESISTOR,METAL 6.8K 1/16W
R103	1-218-708-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R104	1-218-722-11	s	RESISTOR, CHIP 18K 1/16W 1608
R105	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R106	1-218-676-11	s	RESISTOR,CHIP 220 1/16W(1608)
R107	1-216-855-11	s	RESISTOR, CHIP 680K 1/16W 1608
R108	1-218-702-11	s	RESISTOR CHIP 2.7K 1/16W(1608)
R109	1-218-690-11	s	RESISTOR CHIP 820 1/16W (1608)
R110	1-218-700-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R111	1-218-676-11	s	RESISTOR,CHIP 220 1/16W(1608)
R112	1-218-676-11	s	RESISTOR,CHIP 220 1/16W(1608)
R113	1-218-694-11	s	RESISTOR CHIP 1.2K1/16W(1608)
R114	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R115	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R116	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R117	1-218-722-11	s	RESISTOR, CHIP 18K 1/16W 1608
R118	1-218-706-11	s	RESISTOR,CHIP 3.9K 1/16W(1608)
R119	1-218-714-11	s	RESISTOR,CHIP 8.2K 1/16W(1608)
R120	1-218-724-11	s	RESISTOR,CHIP 22K 1/16W(1608)

(MS-60 BOARD (FOR BKP-9057))

Ref. No. or Q'ty	Part No.	SP	Description
R121	1-218-706-11	s	RESISTOR,CHIP 3.9K 1/16W(1608)
R122	1-218-724-11	s	RESISTOR,CHIP 22K 1/16W(1608)
R123	1-218-706-11	s	RESISTOR,CHIP 3.9K 1/16W(1608)
R124	1-218-665-11	s	RESISTOR CHIP 75 1/16W (1608)
R125	1-218-707-11	s	RESISTOR,CHIP 4.3K 1/16W(1608)
R126	1-218-706-11	s	RESISTOR,CHIP 3.9K 1/16W(1608)
R127	1-218-668-11	s	RESISTOR,CHIP 100 1/16W (1608)
R128	1-218-685-11	s	RESISTOR, METAL FILM 510 1/16W
R129	1-218-685-11	s	RESISTOR, METAL FILM 510 1/16W
R130	1-218-706-11	s	RESISTOR,CHIP 3.9K 1/16W(1608)
R132	1-218-668-11	s	RESISTOR,CHIP 100 1/16W (1608)
R133	1-218-696-11	s	RESISTOR CHIP 1.5K 1/16W(1608)
R134	1-218-700-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R135	1-218-696-11	s	RESISTOR CHIP 1.5K 1/16W(1608)
R136	1-218-668-11	s	RESISTOR,CHIP 100 1/16W (1608)
R137	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R138	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R139	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R140	1-218-684-11	s	RESISTOR CHIP 470 1/16W (1608)
R141	1-218-714-11	s	RESISTOR,CHIP 8.2K 1/16W(1608)
R142	1-218-698-11	s	RESISTOR,CHIP 1.8K 1/16W(1608)
R143	1-218-668-11	s	RESISTOR,CHIP 100 1/16W (1608)
R144	1-218-712-11	s	RESISTOR,METAL 6.8K 1/16W
R145	1-218-684-11	s	RESISTOR CHIP 470 1/16W (1608)
R146	1-218-684-11	s	RESISTOR CHIP 470 1/16W (1608)
R147	1-218-712-11	s	RESISTOR,METAL 6.8K 1/16W
R148	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R149	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R150	1-218-661-11	s	RESISTOR,CHIP 51 1/16W (1608)
R151	1-218-680-11	s	RESISTOR,CHIP 330 1/16W(1608)
R152	1-218-696-11	s	RESISTOR CHIP 1.5K 1/16W(1608)
R153	1-216-853-11	s	RESISTOR,CHIP 470K 1/16W(1608)
R154	1-218-700-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R155	1-218-738-11	s	RESISTOR,CHIP 82K 1/16W(1608)
R156	1-218-773-11	s	RESISTOR,CHIP 750K 1/10W(2012)
R157	1-218-723-11	s	RESISTOR,CHIP 20K 1/16W(1608)
R158	1-218-720-11	s	RESISTOR,CHIP 15K 1/16W(1608)
R159	1-218-724-11	s	RESISTOR,CHIP 22K 1/16W(1608)
R160	1-218-718-11	s	RESISTOR CHIP 12K 1/16W (1608)
R161	1-218-723-11	s	RESISTOR,CHIP 20K 1/16W(1608)
R162	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R163	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R164	1-218-715-11	s	RESISTOR,METAL 9.1K 1/16W
R165	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R166	1-218-710-11	s	RESISTOR,CHIP 5.6K 1/16W(1608)
R167	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R168	1-218-680-11	s	RESISTOR,CHIP 330 1/16W(1608)
R169	1-218-684-11	s	RESISTOR CHIP 470 1/16W (1608)
R170	1-218-710-11	s	RESISTOR,CHIP 5.6K 1/16W(1608)
R171	1-218-668-11	s	RESISTOR,CHIP 100 1/16W (1608)
R173	1-218-668-11	s	RESISTOR,CHIP 100 1/16W (1608)
R175	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R176	1-218-704-11	s	RESISTOR,CHIP 3.3K 1/16W(1608)
R177	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R178	1-218-704-11	s	RESISTOR,CHIP 3.3K 1/16W(1608)
R179	1-218-696-11	s	RESISTOR CHIP 1.5K 1/16W(1608)
R180	1-218-696-11	s	RESISTOR CHIP 1.5K 1/16W(1608)
R181	1-218-704-11	s	RESISTOR,CHIP 3.3K 1/16W(1608)
R182	1-218-704-11	s	RESISTOR,CHIP 3.3K 1/16W(1608)

(MS-60 BOARD (FOR BKP-9057))

Ref. No. or Q'ty	Part No.	SP	Description
R183	1-218-668-11	s	RESISTOR,CHIP 100 1/16W (1608)
R184	1-218-668-11	s	RESISTOR,CHIP 100 1/16W (1608)
R185	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R186	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R187	1-218-711-11	s	RESISTOR,METAL 6.2K 1/16W
R188	1-218-711-11	s	RESISTOR,METAL 6.2K 1/16W
R189	1-218-712-11	s	RESISTOR,METAL 6.8K 1/16W
R190	1-218-712-11	s	RESISTOR,METAL 6.8K 1/16W
R191	1-218-719-11	s	RESISTOR,METAL 13K 1/16
R192	1-218-719-11	s	RESISTOR,METAL 13K 1/16
R195	1-218-724-11	s	RESISTOR,CHIP 22K 1/16W(1608)
R196	1-218-712-11	s	RESISTOR,METAL 6.8K 1/16W
R197	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R198	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R200	1-216-855-11	s	RESISTOR, CHIP 680K 1/16W 1608
R201	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R202	1-218-740-11	s	RESISTOR,CHIP 100K 1/16W(1608)
R203	1-218-740-11	s	RESISTOR,CHIP 100K 1/16W(1608)
R204	1-218-700-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R205	1-218-698-11	s	RESISTOR,CHIP 1.8K 1/16W(1608)
R206	1-218-698-11	s	RESISTOR,CHIP 1.8K 1/16W(1608)
R207	1-218-710-11	s	RESISTOR,CHIP 5.6K 1/16W(1608)
R208	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R209	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R210	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R211	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R212	1-218-713-11	s	RESISTOR,METAL 7.5K 1/16W
R213	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R214	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R215	1-218-702-11	s	RESISTOR CHIP 2.7K 1/16W(1608)
R216	1-218-702-11	s	RESISTOR CHIP 2.7K 1/16W(1608)
R217	1-218-724-11	s	RESISTOR,CHIP 22K 1/16W(1608)
R218	1-218-700-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R219	1-218-704-11	s	RESISTOR,CHIP 3.3K 1/16W(1608)
R220	1-218-704-11	s	RESISTOR,CHIP 3.3K 1/16W(1608)
R221	1-218-704-11	s	RESISTOR,CHIP 3.3K 1/16W(1608)
R222	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R223	1-218-740-11	s	RESISTOR,CHIP 100K 1/16W(1608)
R224	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R225	1-218-724-11	s	RESISTOR,CHIP 22K 1/16W(1608)
R226	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R227	1-218-740-11	s	RESISTOR,CHIP 100K 1/16W(1608)
R228	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R229	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R230	1-216-857-11	s	RESISTOR, CHIP 1.0M 1/16W 1608
R231	1-216-857-11	s	RESISTOR, CHIP 1.0M 1/16W 1608
R232	1-218-695-11	s	RESISTOR,CHIP 1.3K 1/16W(1608)
R233	1-218-666-11	s	RESISTOR CHIP 82 1/16W (1608)
R234	1-218-738-11	s	RESISTOR,CHIP 82K 1/16W(1608)
R235	1-218-682-11	s	RESISTOR CHIP 390 1/16W (1608)
R236	1-218-676-11	s	RESISTOR,CHIP 220 1/16W(1608)
R237	1-218-740-11	s	RESISTOR,CHIP 100K 1/16W(1608)
R238	1-218-740-11	s	RESISTOR,CHIP 100K 1/16W(1608)
R239	1-216-864-11	s	RESISTOR,CHIP 0 1/16W (1608)
R240	1-216-864-11	s	RESISTOR,CHIP 0 1/16W (1608)
R241	1-218-668-11	s	RESISTOR,CHIP 100 1/16W (1608)
R242	1-218-686-11	s	RESISTOR CHIP 560 1/16W (1608)
R243	1-218-689-11	s	RESISTOR CHIP 750 1/16W (1608)
R244	1-218-694-11	s	RESISTOR CHIP 1.2K1/16W(1608)

(MS-60 BOARD (FOR BKP-9057))

Ref. No. or Q'ty	Part No.	SP	Description
R245	1-218-694-11	s	RESISTOR CHIP 1.2K1/16W(1608)
R246	1-218-689-11	s	RESISTOR CHIP 750 1/16W (1608)
R247	1-218-694-11	s	RESISTOR CHIP 1.2K1/16W(1608)
R248	1-218-694-11	s	RESISTOR CHIP 1.2K1/16W(1608)
R249	1-218-712-11	s	RESISTOR,METAL 6.8K 1/16W
R250	1-218-712-11	s	RESISTOR,METAL 6.8K 1/16W
R251	1-218-712-11	s	RESISTOR,METAL 6.8K 1/16W
R252	1-218-720-11	s	RESISTOR,CHIP 15K 1/16W(1608)
R253	1-218-728-11	s	RESISTOR,METAL 33K 1/16W
R254	1-218-724-11	s	RESISTOR,CHIP 22K 1/16W(1608)
R255	1-218-724-11	s	RESISTOR,CHIP 22K 1/16W(1608)
R300	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R301	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R302	1-218-740-11	s	RESISTOR,CHIP 100K 1/16W(1608)
R303	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R304	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R305	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R306	1-218-740-11	s	RESISTOR,CHIP 100K 1/16W(1608)
R307	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R308	1-216-857-11	s	RESISTOR, CHIP 1.0M 1/16W 1608
R309	1-218-696-11	s	RESISTOR CHIP 1.5K 1/16W(1608)
R310	1-218-700-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R311	1-218-696-11	s	RESISTOR CHIP 1.5K 1/16W(1608)
R312	1-218-728-11	s	RESISTOR,METAL 33K 1/16W
R313	1-218-676-11	s	RESISTOR,CHIP 220 1/16W(1608)
R314	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R315	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R316	1-218-710-11	s	RESISTOR,CHIP 5.6K 1/16W(1608)
R317	1-218-696-11	s	RESISTOR CHIP 1.5K 1/16W(1608)
R318	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R319	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R321	1-218-710-11	s	RESISTOR,CHIP 5.6K 1/16W(1608)
R322	1-218-691-11	s	RESISTOR CHIP 910 1/16W (1608)
R323	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R325	1-218-710-11	s	RESISTOR,CHIP 5.6K 1/16W(1608)
R326	1-218-691-11	s	RESISTOR CHIP 910 1/16W (1608)
R327	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R328	1-218-690-11	s	RESISTOR CHIP 820 1/16W (1608)
R329	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R330	1-218-704-11	s	RESISTOR,CHIP 3.3K 1/16W(1608)
R331	1-218-690-11	s	RESISTOR CHIP 820 1/16W (1608)
R332	1-218-668-11	s	RESISTOR,CHIP 100 1/16W (1608)
R333	1-218-708-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R334	1-218-708-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R335	1-218-701-11	s	RESISTOR,CHIP 2.4K 1/16W(1608)
R336	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R337	1-218-690-11	s	RESISTOR CHIP 820 1/16W (1608)
R338	1-218-704-11	s	RESISTOR,CHIP 3.3K 1/16W(1608)
R339	1-218-690-11	s	RESISTOR CHIP 820 1/16W (1608)
R340	1-218-668-11	s	RESISTOR,CHIP 100 1/16W (1608)
R341	1-218-708-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R342	1-218-708-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R343	1-218-701-11	s	RESISTOR,CHIP 2.4K 1/16W(1608)
R344	1-218-257-11	s	RESISTOR,CHIP 4990 1/10W(2125)
R345	1-218-259-11	s	RESISTOR,CHIP 13700 1/10W 2125
R346	1-218-723-11	s	RESISTOR,CHIP 20K 1/16W(1608)
R347	1-218-678-11	s	RESISTOR CHIP 270 1/16W (1608)
R348	1-218-695-11	s	RESISTOR,CHIP 1.3K 1/16W(1608)
R349	1-218-685-11	s	RESISTOR, METAL FILM 510 1/16W

(MS-60 BOARD (FOR BKP-9057))

Ref. No. or Q'ty	Part No.	SP	Description
R350	1-218-687-11	s	RESISTOR CHIP 620 1/16W (1608)
R351	1-218-685-11	s	RESISTOR, METAL FILM 510 1/16W
R352	1-218-700-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R353	1-218-706-11	s	RESISTOR,CHIP 3.9K 1/16W(1608)
R354	1-218-707-11	s	RESISTOR,CHIP 4.3K 1/16W(1608)
R355	1-218-712-11	s	RESISTOR,METAL 6.8K 1/16W
R356	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R357	1-218-724-11	s	RESISTOR,CHIP 22K 1/16W(1608)
R358	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R359	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R360	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R361	1-218-700-11	s	RESISTOR,CHIP 2.2K 1/16W(1608)
R364	1-218-690-11	s	RESISTOR CHIP 820 1/16W (1608)
R367	1-218-668-11	s	RESISTOR,CHIP 100 1/16W (1608)
R368	1-218-721-11	s	RESISTOR,CHIP 16K 1/16W(1608)
R369	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R370	1-218-718-11	s	RESISTOR CHIP 12K 1/16W (1608)
R371	1-218-701-11	s	RESISTOR,CHIP 2.4K 1/16W(1608)
R372	1-218-712-11	s	RESISTOR,METAL 6.8K 1/16W
R373	1-218-668-11	s	RESISTOR,CHIP 100 1/16W (1608)
R374	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R375	1-218-724-11	s	RESISTOR,CHIP 22K 1/16W(1608)
R376	1-218-708-11	s	RESISTOR,CHIP 4.7K 1/16W(1608)
R377	1-218-668-11	s	RESISTOR,CHIP 100 1/16W (1608)
RV100	1-237-034-11	s	RESISTOR,ADJ,CERMET 2K
RV101	1-237-036-11	s	RESISTOR, ADJ,CERMET 10K
RV102	1-237-036-11	s	RESISTOR, ADJ,CERMET 10K
RV103	1-237-031-11	s	RESISTOR,ADJ,CERMET 200
RV300	1-237-039-11	s	RESISTOR,ADJ,CERMET 100K
RV301	1-237-034-11	s	RESISTOR,ADJ,CERMET 2K
RV302	1-237-034-11	s	RESISTOR,ADJ,CERMET 2K
S100	1-692-881-41	s	SWITCH, SLIDE
S101	1-692-881-41	s	SWITCH, SLIDE
S102	1-572-971-31	s	SWITCH, SLIDE
X100	1-579-994-12	s	VIBRATOR, CERAMIC
X200	1-579-995-12	s	VIBRATOR, CERAMIC

PS-546 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
5pcs	7-682-547-09	s	SCREW +B3X6(EP-FE/ZNBK/CM2)
2pcs	7-682-903-01	s	SCREW +PWH 3X5(EP-FE/ZN/CM2)
1pc	7-623-954-21	s	WASHER 3.0, FIBER
C8	1-109-987-11	s	CAPACITOR,ELECT 270MF/450V
C10	1-113-920-11	s	CAPACITOR,CERAMIC 2200PF/250V
C35	1-113-920-11	s	CAPACITOR,CERAMIC 2200PF/250V
C36	1-113-920-11	s	CAPACITOR,CERAMIC 2200PF/250V
C37	1-136-209-11	s	CAPACITOR,FILM 0.1MF/630V
C38	1-107-969-11	s	CAPACITOR,ELECT 10MF/400V
C39	1-161-830-00	s	CAPACITOR,CERAMIC;4700PF/500V
C69	1-161-830-00	s	CAPACITOR,CERAMIC;4700PF/500V
C101	1-107-425-11	s	CAPACITOR, CERAMIC 470PF/1KVDC
C102	1-107-425-11	s	CAPACITOR, CERAMIC 470PF/1KVDC
C103	1-107-890-11	s	CAPACITOR ELECT 2200MF/25V
C106	1-104-913-11	s	CAPACITOR,CHIP TANTAL 10MF/16V
C107	1-104-919-11	s	CAPACITOR,TANTALUM 10MF/25V
C108	1-162-814-11	s	CAPACITOR,CERAMIC 0.047MF (M-)
C109	1-162-814-11	s	CAPACITOR,CERAMIC 0.047MF (M-)
C111	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C112	1-107-890-11	s	CAPACITOR ELECT 2200MF/25V
C113	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C114	1-107-890-11	s	CAPACITOR ELECT 2200MF/25V
C131	1-107-425-11	s	CAPACITOR, CERAMIC 470PF/1KVDC
C132	1-107-425-11	s	CAPACITOR, CERAMIC 470PF/1KVDC
C133	1-107-890-11	s	CAPACITOR ELECT 2200MF/25V
C136	1-162-814-11	s	CAPACITOR,CERAMIC 0.047MF (M-)
C137	1-162-814-11	s	CAPACITOR,CERAMIC 0.047MF (M-)
C139	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C140	1-107-890-11	s	CAPACITOR ELECT 2200MF/25V
C141	1-104-919-11	s	CAPACITOR,TANTALUM 10MF/25V
C142	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C143	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C144	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C145	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
CN1	1-779-370-11	o	PIN, CONNECTOR (PC BOARD) 3P
CN2	1-691-756-11	o	PIN, CONNECTOR(PC BOARD) 2P
CN3	1-691-095-11	o	PIN,CONNECTOR(PC BOARD)6P
CN4	1-691-959-11	o	PIN,CONNECTOR (PC BOARD) 4P
CN5	1-766-178-11	o	PIN, CONNECTOR (PC BOARD) 5P
CN10	1-580-565-11	o	PIN, CONNECTOR (PC BOARD) 20P
D4	8-719-510-19	s	DIODE D2SBA60
D22	8-719-023-53	s	DIODE EA30QS04-F
D40	8-719-053-19	s	DIODE UF4007
D63	8-719-053-19	s	DIODE UF4007
D101	8-719-071-02	s	DIODE SBA120-18J
D102	8-719-071-02	s	DIODE SBA120-18J
D105	8-719-157-69	s	DIODE RD20M-B
D106	8-719-820-59	s	DIODE 1S1588
D107	8-719-157-54	s	DIODE RD12M-B
D108	8-719-024-81	s	DIODE 1SS300-TE85L
D131	8-719-071-02	s	DIODE SBA120-18J
D132	8-719-071-02	s	DIODE SBA120-18J
D134	8-719-157-54	s	DIODE RD12M-B
D135	8-719-024-81	s	DIODE 1SS300-TE85L
L3	1-408-549-00	s	INDUCTOR 150MH
L4	1-421-564-00	o	NOISE FILTER
L5	1-421-564-00	o	NOISE FILTER

(PS-546 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
L101	1-410-253-11	s	COIL,CHOKE(TROIDAL) 80UH
L102	1-408-549-00	s	INDUCTOR 150MH
L103	1-410-948-11	s	INDUCTOR 100UH
L131	1-410-253-11	s	COIL,CHOKE(TROIDAL) 80UH
L132	1-410-253-11	s	COIL,CHOKE(TROIDAL) 80UH
Q3	8-729-040-92	s	TRANSISTOR 2SK2607
Q7	8-729-040-92	s	TRANSISTOR 2SK2607
Q8	8-729-807-51	s	TRANSISTOR 2SD1623-S
Q9	8-729-117-32	s	TRANSISTOR 2SC4177
Q10	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
Q11	8-729-029-14	s	TRANSISTOR DTC144EUA-T106
R36	1-216-341-11	s	RESISTOR,METAL FILM 0.22/1W
R43	1-249-429-11	s	RESISTOR,CARBON(SMALL)10K 1/4W
R44	1-219-753-11	s	RESISTOR(SURGE ERSISTANT) 220K
R61	1-216-341-11	s	RESISTOR,METAL FILM 0.22/1W
R69	1-249-429-11	s	RESISTOR,CARBON(SMALL)10K 1/4W
R70	1-219-753-11	s	RESISTOR(SURGE ERSISTANT) 220K
R111	1-216-675-11	s	RESISTOR CHIP 10K 1/10W(2012)
R112	1-216-657-11	s	RESISTOR,CHIP 1.8K 1/10W(2012)
R113	1-216-627-11	s	RESISTOR,CHIP 100 1/10W (2012)
R141	1-216-657-11	s	RESISTOR,CHIP 1.8K 1/10W(2012)
RY1	1-755-022-11	s	RELAY (G2R-2-ASI)
RY2	1-515-898-11	s	RELAY (12V)
T2	⚠ 1-433-496-11	s	TRANSFORMER, CONVERTER
T3	⚠ 1-433-496-11	s	TRANSFORMER, CONVERTER
THP1	⚠ 1-803-229-11	s	THERMISTOR, POSITIVE
THP2	⚠ 1-803-312-21	s	THERMISTOR, POSITIVE
THP3	⚠ 1-801-826-21	s	THERMISTOR, POSITIVE (REX075)
THP4	⚠ 1-803-229-11	s	THERMISTOR, POSITIVE

PS-561 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
2pcs	1-533-189-11	s	HOLDER, FUSE
C1	1-136-189-00	s	CAPACITOR,FILM 0.1MF/250V
C2	1-137-105-11	s	CAPACITOR,FILM 0.01MF/250VAC
C3	1-137-105-11	s	CAPACITOR,FILM 0.01MF/250VAC
C4	1-113-920-11	s	CAPACITOR,CERAMIC 2200PF/250V
C5	1-113-920-11	s	CAPACITOR,CERAMIC 2200PF/250V
C6	1-113-920-11	s	CAPACITOR,CERAMIC 2200PF/250V
C7	1-113-920-11	s	CAPACITOR,CERAMIC 2200PF/250V
C11	1-136-189-00	s	CAPACITOR,FILM 0.1MF/250V
C12	1-107-907-11	s	CAPACITOR,ELECT 22MF/50V
CP1	⚠ 8-719-053-15	s	PHOTO COUPLER PS2703-1-E3-L
D1	8-719-300-70	s	DIODE RH1C (RECTI)
D2	8-719-158-55	s	DIODE RD15SB
D3	8-719-024-81	s	DIODE 1SS300-TE85L
D11	8-719-024-81	s	DIODE 1SS300-TE85L
F1	⚠ 1-576-228-11	s	FUSE (H.B.C)
L1	1-459-401-00	s	COIL(WITH CORE)
L2	1-459-401-00	s	COIL(WITH CORE)
Q2	8-729-216-22	s	TRANSISTOR 2SA1162-G
R1	1-220-325-11	s	RESISTOR CHIP 1.0M 1/4W (3225)
R2	1-220-325-11	s	RESISTOR CHIP 1.0M 1/4W (3225)
R3	1-220-325-11	s	RESISTOR CHIP 1.0M 1/4W (3225)
R4	1-220-325-11	s	RESISTOR CHIP 1.0M 1/4W (3225)
R5	1-220-325-11	s	RESISTOR CHIP 1.0M 1/4W (3225)
R6	1-220-325-11	s	RESISTOR CHIP 1.0M 1/4W (3225)
R7	1-220-325-11	s	RESISTOR CHIP 1.0M 1/4W (3225)
R8	1-216-651-11	s	RESISTOR,CHIP 1K 1/10W(2012)
R9	1-216-694-11	s	RESISTOR,CHIP 62K 1/10W(2012)
R10	1-207-628-00	s	RESISTOR,WIREWOUND 10 3W
R151	1-216-699-11	s	RESISTOR,CHIP 100K 1/10W(2012)
R152	1-216-627-11	s	RESISTOR,CHIP 100 1/10W (2012)
RY4	1-515-898-11	s	RELAY (12V)
RY5	1-515-898-11	s	RELAY (12V)

PS-562 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
C31	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C32	1-163-263-11	s	CAPACITOR CERAMIC 330PF/50V
C33	1-163-021-91	s	CAPACITOR, CERAMIC 0.01MF/50V
C34	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C40	1-107-907-11	s	CAPACITOR,ELECT 22MF/50V
C41	1-107-907-11	s	CAPACITOR,ELECT 22MF/50V
C42	1-107-907-11	s	CAPACITOR,ELECT 22MF/50V
C43	1-107-907-11	s	CAPACITOR,ELECT 22MF/50V
C61	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C62	1-163-263-11	s	CAPACITOR CERAMIC 330PF/50V
C63	1-164-005-11	s	CAPACITOR,CERAMIC 0.47MF/25V
C64	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C104	1-107-903-11	s	CAPACITOR,ELECT 2.2MF/50V
C105	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
C134	1-107-903-11	s	CAPACITOR,ELECT 2.2MF/50V
C135	1-163-038-91	s	CAPACITOR, CERAMIC 0.1MF/25V
D31	8-719-071-01	s	DIODE DLA11C-TR
D32	8-719-037-41	s	DIODE RD20SB-T1
D33	8-719-158-15	s	DIODE RD5.6SB
D34	8-719-048-98	s	DIODE RB160L-40TE25
D35	8-719-071-01	s	DIODE DLA11C-TR
D36	8-719-071-01	s	DIODE DLA11C-TR
D37	8-719-037-22	s	DIODE RD12SB-T1
D38	8-719-071-01	s	DIODE DLA11C-TR
D39	8-719-071-01	s	DIODE DLA11C-TR
D61	8-719-158-15	s	DIODE RD5.6SB
D62	8-719-048-98	s	DIODE RB160L-40TE25
D103	8-719-158-55	s	DIODE RD15SB
D133	8-719-158-55	s	DIODE RD15SB
IC1	8-759-545-27	s	IC FA5315S-TE1
IC2	8-759-545-27	s	IC FA5315S-TE1
IC3	8-759-147-47	s	IC UPC1093T
IC4	8-759-147-47	s	IC UPC1093T
PH1	⚠ 8-749-010-64	s	PHOTO COUPLER PC123F2
PH2	⚠ 8-749-010-64	s	PHOTO COUPLER PC123F2
PH3	⚠ 8-749-010-64	s	PHOTO COUPLER PC123F2
PH4	⚠ 8-749-010-64	s	PHOTO COUPLER PC123F2
Q4	8-729-824-24	s	TRANSISTOR 2SA1338-5-TB
Q5	8-729-824-24	s	TRANSISTOR 2SA1338-5-TB
Q6	8-729-901-00	s	TRANSISTOR DTC124EK
Q31	8-729-142-57	s	TRANSISTOR 2SC3632-Z
Q32	8-729-113-10	s	TRANSISTOR FA1F4M-L32
R16	1-249-405-11	s	RES,CARBON 100 1/4W SMALL
R31	1-220-321-11	s	RESISTOR, CHIP 470K 1/4 W
R32	1-220-321-11	s	RESISTOR, CHIP 470K 1/4 W
R33	1-220-285-11	s	RESISTOR CHIP 10K 1/4W (3225)
R34	1-216-685-11	s	RESISTOR,CHIP 27K 1/10W(2012)
R35	1-218-762-11	s	RESISTOR,CHIP 270K 1/10W(2012)
R37	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R38	1-216-675-11	s	RESISTOR CHIP 10K 1/10W(2012)
R39	1-216-627-11	s	RESISTOR,CHIP 100 1/10W (2012)
R40	1-216-049-91	s	RESISTOR,CHIP 1K 1/10W(2125)
R41	1-220-236-11	s	RESISTOR CHIP 6.8 1/4W (3225)
R42	1-220-243-11	s	RESISTOR CHIP 27 1/4W (3225)
R45	1-216-083-00	s	RESISTOR CHIP 27K 1/10W(2012)
R46	1-220-293-11	s	RESISTOR CHIP 47K 1/4W (3225)
R47	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)

(PS-562 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R48	1-216-097-91	s	RESISTOR,CHIP 100K 1/10W(2012)
R49	1-216-083-00	s	RESISTOR CHIP 27K 1/10W(2012)
R50	1-216-083-00	s	RESISTOR CHIP 27K 1/10W(2012)
R51	1-216-699-11	s	RESISTOR,CHIP 100K 1/10W(2012)
R62	1-216-073-00	s	RESISTOR,CHIP 10K 1/10W(2012)
R63	1-249-405-11	s	RES,CARBON 100 1/4W SMALL
R64	1-216-675-11	s	RESISTOR CHIP 10K 1/10W(2012)
R65	1-216-627-11	s	RESISTOR,CHIP 100 1/10W (2012)
R66	1-216-049-91	s	RESISTOR,CHIP 1K 1/10W(2125)
R67	1-220-236-11	s	RESISTOR CHIP 6.8 1/4W (3225)
R68	1-220-243-11	s	RESISTOR CHIP 27 1/4W (3225)
R101	1-216-639-11	s	RESISTOR,CHIP 330 1/10W (2012)
R102	1-216-639-11	s	RESISTOR,CHIP 330 1/10W (2012)
R103	1-216-639-11	s	RESISTOR,CHIP 330 1/10W (2012)
R104	1-216-639-11	s	RESISTOR,CHIP 330 1/10W (2012)
R105	1-216-675-11	s	RESISTOR CHIP 10K 1/10W(2012)
R106	1-216-639-11	s	RESISTOR,CHIP 330 1/10W (2012)
R107	1-216-665-11	s	RESISTOR,CHIP 3.9K 1/10W(2012)
R108	1-216-651-11	s	RESISTOR,CHIP 1K 1/10W(2012)
R131	1-216-639-11	s	RESISTOR,CHIP 330 1/10W (2012)
R132	1-216-639-11	s	RESISTOR,CHIP 330 1/10W (2012)
R133	1-216-639-11	s	RESISTOR,CHIP 330 1/10W (2012)
R134	1-216-639-11	s	RESISTOR,CHIP 330 1/10W (2012)
R135	1-216-675-11	s	RESISTOR CHIP 10K 1/10W(2012)
R136	1-216-639-11	s	RESISTOR,CHIP 330 1/10W (2012)
R137	1-216-665-11	s	RESISTOR,CHIP 3.9K 1/10W(2012)
R138	1-216-651-11	s	RESISTOR,CHIP 1K 1/10W(2012)

SW-993 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8322-832-A	o	MOUNTED CIRCUIT BOARD, SW-993
1pc	3-708-930-01	s	CAP (PC)
1pc	3-708-930-11	s	CAP (PC)
1pc	3-708-930-21	s	CAP (PC)
1pc	3-708-932-01	s	CAP (PC)
1pc	3-708-933-01	s	CAP (PC)
1pc	3-708-934-01	s	CAP (PC)
1pc	3-710-803-03	o	HOLDER, DIA. 5-9 LED
C1	1-107-690-11	s	CAPACITOR TANTALUM 6.8MF/35V
C3	1-113-985-11	s	CAPACITOR,TANTALUM 10MF/20V
C5	1-113-985-11	s	CAPACITOR,TANTALUM 10MF/20V
C6	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C7	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C8	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C9	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C10	1-162-970-11	s	CAPACITOR CERAMIC 0.01MF/25V B
C11	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C12	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C13	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C14	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C16	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C17	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C18	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C20	1-113-985-11	s	CAPACITOR,TANTALUM 10MF/20V
C21	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C22	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C23	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C24	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C25	1-113-985-11	s	CAPACITOR,TANTALUM 10MF/20V
C26	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C27	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C28	1-107-690-11	s	CAPACITOR TANTALUM 6.8MF/35V
C29	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C30	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C31	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C32	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C33	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C34	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
C35	1-164-156-11	s	CAPACITOR,CERAMIC 0.1MF/25V F
CN1	1-764-875-21	s	CONNECTOR, FPC (25P)
D1	8-719-404-35	s	DIODE MA141WK
D2	8-719-404-35	s	DIODE MA141WK
D3	8-719-032-78	s	LED GL3UR8
D4	8-719-032-78	s	LED GL3UR8
D5	8-719-032-78	s	LED GL3UR8
D6	8-719-032-78	s	LED GL3UR8
D7	8-719-032-78	s	LED GL3UR8
D8	8-719-032-78	s	LED GL3UR8
D10	8-719-946-89	s	LED GL5ED5
D11	8-719-404-35	s	DIODE MA141WK
D12	8-719-989-76	s	DIODE SC802-04-TE12RA
D13	8-719-989-76	s	DIODE SC802-04-TE12RA
D14	8-719-989-76	s	DIODE SC802-04-TE12RA
D15	8-719-989-76	s	DIODE SC802-04-TE12RA
EN9	1-473-435-11	s	ENCODER, ROTARY(SWITCH)
IC1	8-759-426-18	s	IC MB88141PF-ER

(SW-993 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
IC2	8-759-082-58	s	IC TC7W08FU
IC3	8-759-149-10	s	IC UPD4702G
IC4	8-759-990-63	s	IC PCF8574AT
IC5	8-759-990-63	s	IC PCF8574AT
IC6	8-759-990-63	s	IC PCF8574AT
IC7	8-759-990-63	s	IC PCF8574AT
IC8	8-759-990-63	s	IC PCF8574AT
IC9	8-759-990-63	s	IC PCF8574AT
IC10	8-759-057-06	s	IC PCF8591T
IC11	8-759-057-06	s	IC PCF8591T
IC12	8-759-082-53	s	IC TLC274CPW
IC14	8-759-276-00	s	IC TC7W139FU (TE12R)
IC15	8-759-081-44	s	IC TC74VHC04F
IC16	8-759-082-57	s	IC TC7W04FU
IC18	8-759-082-53	s	IC TLC274CPW
L1	1-412-029-11	s	CHIP INDUCTOR 10UH (3225)
L2	1-412-029-11	s	CHIP INDUCTOR 10UH (3225)
L3	1-412-029-11	s	CHIP INDUCTOR 10UH (3225)
L4	1-412-029-11	s	CHIP INDUCTOR 10UH (3225)
L5	1-412-029-11	s	CHIP INDUCTOR 10UH (3225)
Q1	8-729-027-57	s	TRANSISTOR DTC143XKA-T146
Q2	8-729-027-57	s	TRANSISTOR DTC143XKA-T146
Q3	8-729-027-57	s	TRANSISTOR DTC143XKA-T146
Q4	8-729-027-57	s	TRANSISTOR DTC143XKA-T146
Q5	8-729-027-57	s	TRANSISTOR DTC143XKA-T146
Q6	8-729-027-57	s	TRANSISTOR DTC143XKA-T146
Q7	8-729-027-57	s	TRANSISTOR DTC143XKA-T146
Q9	8-729-027-57	s	TRANSISTOR DTC143XKA-T146
Q11	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q12	8-729-028-91	s	TRANSISTOR DTA144EUA-T106
R1	1-218-748-11	s	RESISTOR,CHIP 220K 1/16W(1608)
R2	1-216-857-11	s	RESISTOR, CHIP 1.0M 1/16W 1608
R3	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R4	1-218-668-11	s	RESISTOR,CHIP 100 1/16W (1608)
R5	1-218-748-11	s	RESISTOR,CHIP 220K 1/16W(1608)
R6	1-218-748-11	s	RESISTOR,CHIP 220K 1/16W(1608)
R7	1-218-737-11	s	RESISTOR,METAL 75K 1/16
R8	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R9	1-218-737-11	s	RESISTOR,METAL 75K 1/16
R10	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R11	1-218-748-11	s	RESISTOR,CHIP 220K 1/16W(1608)
R12	1-249-417-11	s	RESISTOR,CARBON 1K 1/4W (SMALL)
R13	1-249-417-11	s	RESISTOR,CARBON 1K 1/4W (SMALL)
R15	1-218-687-11	s	RESISTOR CHIP 620 1/16W (1608)
R16	1-218-687-11	s	RESISTOR CHIP 620 1/16W (1608)
R17	1-218-687-11	s	RESISTOR CHIP 620 1/16W (1608)
R18	1-218-687-11	s	RESISTOR CHIP 620 1/16W (1608)
R19	1-218-687-11	s	RESISTOR CHIP 620 1/16W (1608)
R20	1-218-687-11	s	RESISTOR CHIP 620 1/16W (1608)
R21	1-218-687-11	s	RESISTOR CHIP 620 1/16W (1608)
R22	1-218-687-11	s	RESISTOR CHIP 620 1/16W (1608)
R23	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R24	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R25	1-218-684-11	s	RESISTOR CHIP 470 1/16W (1608)
R26	1-218-684-11	s	RESISTOR CHIP 470 1/16W (1608)
R31	1-218-724-11	s	RESISTOR,CHIP 22K 1/16W(1608)
R32	1-218-724-11	s	RESISTOR,CHIP 22K 1/16W(1608)
R34	1-218-668-11	s	RESISTOR,CHIP 100 1/16W (1608)
R37	1-218-622-11	s	RESISTOR CHIP 47/1W (6331)

(SW-993 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R38	1-218-644-11	s	RESISTOR,METAL 10 1/16W
R39	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R40	1-218-692-11	s	RESISTOR,CHIP 1.0K 1/16W(1608)
R41	1-220-263-11	s	RESISTOR CHIP 820 1/4W (3225)
R42	1-218-716-11	s	RESISTOR,CHIP 10K 1/16W(1608)
R43	1-218-726-11	s	RESISTOR CHIP 27K 1/16W (1608)
R44	1-218-722-11	s	RESISTOR, CHIP 18K 1/16W 1608
R45	1-218-728-11	s	RESISTOR,METAL 33K 1/16W
RB1	1-236-907-11	s	RESISTOR BLOCK 100K (1608)
RB2	1-236-907-11	s	RESISTOR BLOCK 100K (1608)
RB3	1-239-416-11	s	NETWORK,RESISTOR 220 (1608)
RB4	1-239-416-11	s	NETWORK,RESISTOR 220 (1608)
RB5	1-236-907-11	s	RESISTOR BLOCK 100K (1608)
RB6	1-236-907-11	s	RESISTOR BLOCK 100K (1608)
RB7	1-236-907-11	s	RESISTOR BLOCK 100K (1608)
RB8	1-236-907-11	s	RESISTOR BLOCK 100K (1608)
RB9	1-239-416-11	s	NETWORK,RESISTOR 220 (1608)
RB10	1-236-907-11	s	RESISTOR BLOCK 100K (1608)
RB11	1-236-907-11	s	RESISTOR BLOCK 100K (1608)
RB12	1-236-907-11	s	RESISTOR BLOCK 100K (1608)
RB13	1-239-416-11	s	NETWORK,RESISTOR 220 (1608)
RB14	1-236-907-11	s	RESISTOR BLOCK 100K (1608)
RB15	1-236-907-11	s	RESISTOR BLOCK 100K (1608)
RB16	1-236-907-11	s	RESISTOR BLOCK 100K (1608)
RB17	1-236-907-11	s	RESISTOR BLOCK 100K (1608)
RB18	1-239-436-11	s	RESISTOR, NETWORK 33K (1608)
RB19	1-239-448-11	s	NETWORK, RESISTOR 470K (1608)
RB20	1-239-448-11	s	NETWORK, RESISTOR 470K (1608)
RB21	1-236-907-11	s	RESISTOR BLOCK 100K (1608)
RB22	1-239-436-11	s	RESISTOR, NETWORK 33K (1608)
RB23	1-239-448-11	s	NETWORK, RESISTOR 470K (1608)
RB24	1-239-448-11	s	NETWORK, RESISTOR 470K (1608)
RV1	1-223-741-11	s	RESISTOR, METAL CARBON VAR 50K
RV2	1-223-741-11	s	RESISTOR, METAL CARBON VAR 50K
RV3	1-223-741-11	s	RESISTOR, METAL CARBON VAR 50K
RV4	1-223-741-11	s	RESISTOR, METAL CARBON VAR 50K
RV5	1-223-741-11	s	RESISTOR, METAL CARBON VAR 50K
S1	1-762-122-11	s	SWITCH, TOGGLE
S2	1-762-122-11	s	SWITCH, TOGGLE
S3	1-762-122-11	s	SWITCH, TOGGLE
S4	1-762-122-11	s	SWITCH, TOGGLE
S5	1-762-122-11	s	SWITCH, TOGGLE
S7	1-762-123-11	s	SWITCH, TOGGLE
S8	1-762-531-11	s	SWITCH, TOGGLE
S10	1-762-124-11	s	SWITCH, TOGGLE
S11	1-762-123-11	s	SWITCH, TOGGLE
S12	1-762-121-11	s	SWITCH, ROTARY
S13	1-762-121-11	s	SWITCH, ROTARY
S14	1-762-534-11	s	SWITCH, PUSH (3 KEY)
S15	1-762-533-11	s	SWITCH, PUSH (2 KEY)
S18	1-762-129-11	s	SWITCH, TACTILE (ILLUMINATED)
S19	1-762-129-21	s	SWITCH, TACTILE (ILLUMINATED)
S20	1-762-129-31	s	SWITCH, TACTILE (ILLUMINATED)
S21	1-762-131-11	s	SWITCH, TACTILE (ILLUMINATED)
S22	1-762-132-11	s	SWITCH, TACTILE (ILLUMINATED)
S23	1-762-133-11	s	SWITCH, TACTILE (ILLUMINATED)

FRAME

部品番号が記載されていないハーネスは，サービス部品として登録されていません。
これらは，リストに展開されているコンポーネント部品で補修してください。

Harnesses with no part number are not registered as spare parts.
In need of repair, get components shown in the list and repair using them.

Ref. No. or Q'ty	Part No.	SP	Description
HN101	1-959-991-11	o	HARNESS (COMMAND)
CN102	1-766-848-11	o	CONNECTOR, ROUND TYPE (PLUG)8P
(TO CN2/IF-731 BOARD)			
1pc	1-764-196-11	o	HOUSING, CONNECTOR 8P
8pcs	1-695-215-11	o	TERMINAL, SOLDERLESS
HN102	1-959-932-11	o	HARNESS (LENS 12P)
CN103	1-566-369-11	s	CONNECTOR, ROUND 12P
(TO CN1/CN-1762 BOARD)			
1pc	1-569-205-11	o	HOUSING, CONNECTOR 12P
12pcs	1-566-360-11	s	TERMINAL, SOLDERLESS (M)
12pcs	1-569-194-11	o	TERMINAL, SOLDERLESS
HN103	1-953-627-12	o	HARNESS(LENS)
CN104	1-509-892-31	o	CONNECTOR 36P
(TO CN14/CN-1762 BOARD)			
1pc	1-580-591-11	o	HOUSING, CONNECTOR 30P
2pcs	1-573-176-11	o	TERMINAL, SOLDERLESS
28pcs	1-580-599-11	o	TERMINAL, SOLDERLESS
HN104	1-959-999-11	o	HARNESS (VF CONNECTION CABLE)
FB101	1-543-824-11	s	CORE, TROIDAL
(TO CN1/MS-59 BOARD)			
1pc	1-580-586-11	o	HOUSING, CONNECTOR 20P
16pcs	1-580-599-11	o	TERMINAL, SOLDERLESS
HN105	- - -		HARNESS,SUB (CN-IF)
(TO CN2/CN-1762 BOARD)			
1pc	1-580-591-11	o	HOUSING, CONNECTOR 30P
3pcs	1-573-176-11	o	TERMINAL, SOLDERLESS
27pcs	1-580-599-11	o	TERMINAL, SOLDERLESS
(TO CN5/IF-731 BOARD)			
1pc	1-580-591-11	o	HOUSING, CONNECTOR 30P
3pcs	1-573-176-11	o	TERMINAL, SOLDERLESS
27pcs	1-580-599-11	o	TERMINAL, SOLDERLESS
HN106	- - -		HARNESS,SUB (IF-MS)
(TO CN7/IF-731 BOARD)			
1pc	1-580-586-11	o	HOUSING, CONNECTOR 20P
8pcs	1-573-176-11	o	TERMINAL, SOLDERLESS
12pcs	1-580-599-11	o	TERMINAL, SOLDERLESS
(TO CN2/MS-59 BOARD)			
1pc	1-580-586-11	o	HOUSING, CONNECTOR 20P
8pcs	1-573-176-11	o	TERMINAL, SOLDERLESS
12pcs	1-580-599-11	o	TERMINAL, SOLDERLESS
HN107	- - -		HARNESS, SUB (PS-IF)
FB102	1-543-824-11	s	CORE, TROIDAL
(TO CN1/IF-731 BOARD)			
1pc	1-580-586-11	o	HOUSING, CONNECTOR 20P
12pcs	1-573-176-11	o	TERMINAL, SOLDERLESS
2pcs	1-580-599-11	o	TERMINAL, SOLDERLESS
(TO CN10/PS-546 BOARD)			
1pc	1-580-586-11	o	HOUSING, CONNECTOR 20P
12pcs	1-573-176-11	o	TERMINAL, SOLDERLESS
2pcs	1-580-599-11	o	TERMINAL, SOLDERLESS
HN108	1-590-489-11	s	WIRE, FLAT (25 CORE)
(FROM CN8/IF-731 BOARD TO CN1/SW-993 BOARD)			
(FRAME)			
HN109	- - -		HARNESS, SUB (LF-PS)
FB103	1-543-824-11	s	CORE, TROIDAL
(TO CN1/PS-546 BOARD)			
1pc	1-562-211-11	o	HOUSING, CONNECTOR 3P
2pcs	1-562-210-11	o	CONTACT, CONNECTOR
(TO CN3/LF-47 BOARD)			
1pc	1-562-352-11	o	HOUSING, CONNECTOR 2P
2pcs	1-562-210-11	o	CONTACT, CONNECTOR
HN110	1-959-930-11	o	HARNESS (VF 25P)
CN105	1-562-989-11	s	CONNECTOR, MULTI 25P
(TO CN3/MS-59 BOARD TO CN105/VF CONNECTOR)			
1pc	1-580-591-11	o	HOUSING, CONNECTOR 30P
7pcs	1-573-176-11	o	TERMINAL, SOLDERLESS
15pcs	1-580-599-11	o	TERMINAL, SOLDERLESS
HN111	- - -		HARNESS,SUB(TRIAX-CHU)
(TO CN2/LF-47 BOARD)			
1pc	1-562-211-11	o	HOUSING, CONNECTOR 3P
3pcs	1-562-210-11	o	CONTACT, CONNECTOR
HN112	1-959-988-11	o	HARNESS, SUB (TRIAX K) (FOR UC)
	1-959-989-11	o	HARNESS, SUB (TRIAX T) (FOR J)
	1-959-990-11	o	HARNESS, SUB (TRIAX F) (FOR CE)

3-3. Supplied Accessories

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SUPPLIED ACCESSORIES
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 Ref. No.
 or Q'ty  Part No.    SP Description

 (FOR CA-905K/905F/905T)
 2pcs     2-280-511-01 o BRACKET,ADJUSTMENT ANGLE
 2pcs     3-612-712-01 s BAND,CLAMP
 1pc      3-612-749-01 s PLATE,NUMBER
 2pcs     3-622-537-01 o PLATE,NUMBER(LLA)

 (FOR BKP-9057)
 1pc      1-959-999-11 o HARNESS (VF CONNECTION CABLE)
 1pc      3-622-487-01 o NUT,PLATE,M8
 1pc      3-622-513-01 o SEAL,FUNCTION
 2pcs     3-694-825-11 s SCREW M3 STEP,SPECIAL HEAD ST
 4pcs     7-627-556-58 s SCREW +P2.6X5(EP-FE/ZNBK/CM2)

 2pcs     7-682-277-09 s SCREW +K 5X14(EP-FE/ZNBK/CM2)
 6pcs     7-682-281-09 s SCREW +K 5X30(EP-FE/ZNBK/CM2)
 2pcs     7-682-561-09 s SCREW +B4X8(EP-FE/ZNBK/CM2)
 3pcs     7-682-903-01 s SCREW +PWH 3X5(EP-FE/ZN/CM2)
```

Section 4
Semiconductor Pin Assignments

The following describes the semiconductor types used in this unit.
For semiconductors marked with page numbers in the index, refer to the corresponding pages in this section. However, in some cases incompatible types are also listed, therefore, when a part is to be replaced, also refer to the Spare Parts section.
In addition, for semiconductors with ID Nos., refer to the separate CD-ROM titled “Semiconductor Pin Assignments” (Sony Part No. 9-968-546-xx) that allows searching for parts by semiconductor type or ID No.
The semiconductors in the manual or on the CD-ROM are listed by equivalent types. Thus the external view or the index mark indication may differ from the actual type.
Pin assignments and block diagrams are based on the IC manufacturer’s data book.

本機に使用されている半導体型名の一覧を下記に示します。
索引中，ページが記載されている半導体は，本章の該当ページを参照してください。ただし，互換性のない型名を併記している場合がありますので，部品を交換するときは，Spare Partsの章を参照してください。
また，ID番号が記載されている半導体は，別途発行の “Semiconductor Pin Assignments” CD−ROM版 (ソニー部品番号：9−968−546−xx)を参照してください。
半導体型名またはID番号から検索ができます。
マニュアルまたはCD−ROMに掲載されている半導体は，それぞれの機能を等価的に表わしたものです。
外観やインデックスマークの表示方法が実物と異なる場合があります。
ピン配置およびブロック図はICメーカーのデータブックに従いました。

DIODE	Page or ID No.
1S1588	DA001-01
1S2348HTD	DA001-01
1SS300-TE85L	DC001-02
1SS301-TE85L	DC001-03
1SS302	DC001-01
1SS302-TE85L	DC001-01
D2SB60	DR009-01
D2SBA60	DR009-01
DLA11C-TR	DC008-02
EA30QS04-F	DC002-04
EA30QS04-TE16F2	DC002-04
ERA81-004TP1	DA001-01
ERA83-006	DA001-01
MA141WK	DC001-03
RB160L-40TE25	DC007-01
RD12M-B	DC001-04
RD12M-T1B	DC001-04
RD12SB-T1	DC008-04
RD15SB	DC008-04
RD15SB-T1	DC008-04
RD20M-B	DC001-04
RD20M-T1B	DC001-04
RD20SB-T1	DC008-04
RD3.3UH(1)-T1	DC008-04
RD3.3UH-T1	DC008-04
RD5.6SB	DC008-04
RD5.6SB-T1	DC008-04
RH-1C	DA001-01
SB05-05CP	DC001-16
SB05-05CP-TB	DC001-16
SBA120-18J	DM001-01

DIODE	Page or ID No.
SC802-04-TE12RA	DC008-02
UF4007	DA001-01
UF4007G23	DA001-01

LED	Page or ID No.
GL3UR8	LR002-01
GL5ED5	LR019-01

Index

TRANSISTOR	Page or ID No.
2SA1162G	TC001-01
2SA1226-E4	TC001-01
2SA1226-T1E3E4	TC001-01
2SA1611-M5M6	TC001-01
2SA1611-M6	TC001-01
2SA1611-T1M6	TC001-01
2SA1611T1-M5M6	TC001-01
2SA1688-4-SONY-TL	TC001-01
2SA1808-P	TC001-01
2SA1808-PT106	TC001-01
2SA812-T1-M5M6	TC001-01
2SB798-DL	TC002-01
2SB798-T1-DLDK	TC002-01
2SC1623	TC001-02
2SC1623-L5L6	TC001-02
2SC2223-F13	TC001-02
2SC2223-T1F13F14	TC001-02
2SC2873Y-TE12L	TC002-02
2SC3632-Z	TC010-03
2SC4177-L6	TC001-02
2SC4177-T1L5L6	TC001-02
2SC4215-Y(TE85L)	TC001-02
2SC4215Y	TC001-02
2SD1623-S	TC002-02
2SK1332-3	TC001-05
2SK1332-3-TL	TC001-05
2SK1374	TC001-07
2SK1374-TX	TC001-07
2SK2607	TM005-07
DTA144EUA-T106	TC001-04
DTC124EKA-T146	TC001-03
DTC143XKA-T146	TC001-03
DTC144EUA-T106	TC001-03
DTC144TE	TC001-18
DTC144TE-TL	TC001-18
FA1F4M-L32	TC001-03
FA1F4M-T1L32	TC001-03
XP6435-TX	TC006-14
XP6501-TXE	TC006-07
XP6534-TX	TC006-07

OTHERS	Page or ID No.
PC123F2	MA006-01
PC123FY2	MA006-01
PS2701-1-E3	MA006-01
PS2701-1-E3-L	MA006-01

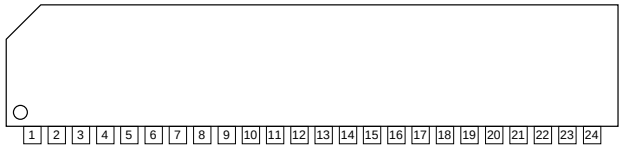
IC	Page or ID No.
CXD2024AQ	CXD2024AQ
FA5315S-TE1	FA5315S-TE1
HM53461ZP-12	4-3
LM1881M	LM1881N
LM1881MX	LM1881N
LM4040BIM3-5.0	LM4040BIM3
LM4040BIM3X-5.0	LM4040BIM3
M51271FP	M51271FP
MB88141PF-ER	MB88141PF-ER
MN6790S	MN6790S
MN8232A	MN8232A
PCF8574AT	PCF8574T
PCF8574T-T	PCF8574T
PCF8591T	PCF8591T
SN74HC02APWR	TC74HC02P
SN74HC04APW-E20	TC74HC04P
SN74HC04APWR	TC74HC04P
SN74HC08APW-E05	TC74HC08P
SN74HC08APWR	TC74HC08P
SN74HC157APW-E05	TC74HC157P
TC4S11F(TE85R)	TC7S00F
TC4S11F	TC7S00F
TC4W53FU(TE12R)	TC4W53FU
TC4W53FU	TC4W53FU
TC74HC4053AFT(EL)	MC74HC4053F
TC74HC4538AFT(EL)	MC74HC4538N
TC74VHC04F(EL)	TC74HC04P
TC74VHC04F	TC74HC04P
TC7S00FU(TE85R)	TC7S00F
TC7S08FU(TE85R)	TC7S08F
TC7S86F(TE85R)	TC7S86FU
TC7S86F-TE85L	TC7S86FU
TC7S86FU(TE85R)	TC7S86FU
TC7S86FU	TC7S86FU
TC7W04F(TE12R)	TC7W04F
TC7W04F	TC7W04F
TC7W04FU(TE12R)	TC7W04F
TC7W04FU	TC7W04F
TC7W08FU(TE12R)	TC7W08F
TC7W08FU	TC7W08F
TC7W139FU(TE12R)	TC7W139F
TL064CPW	TL084CN
TL064CPW-E05	TL084CN
TL1451ACPWR	TL1451CNS
TLC272CPW-E05	TLC272CP
TLC274CPW	TLC27M4CN
TLC274CPW-E05	TLC27M4CN
UPC1093T	UPC1093T
UPC1093T-E1	UPC1093T
UPD4702G	UPD4702G

IC

HM53461ZP-12 (HITACHI)

(64K×4)-BIT MULTI PORT RAM

—SIDE VIEW—



PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	I/O	I/O3	13	I	$\overline{WE}$
2	I/O	I/O4	14	I	$\overline{RAS}$
3	I	$\overline{SOE}$	15	I	A6
4	I/O	SI/O3	16	I	A5
5	I/O	SI/O4	17	I	A4
6	—	GND	18	—	Vcc
7	I	SC	19	I	A7
8	I/O	SI/O1	20	I	A3
9	I/O	SI/O2	21	I	A2
10	I	$\overline{DT/OE}$	22	I	A1
11	I/O	I/O1	23	I	A0
12	I/O	I/O2	24	I	$\overline{CAS}$

INPUTS

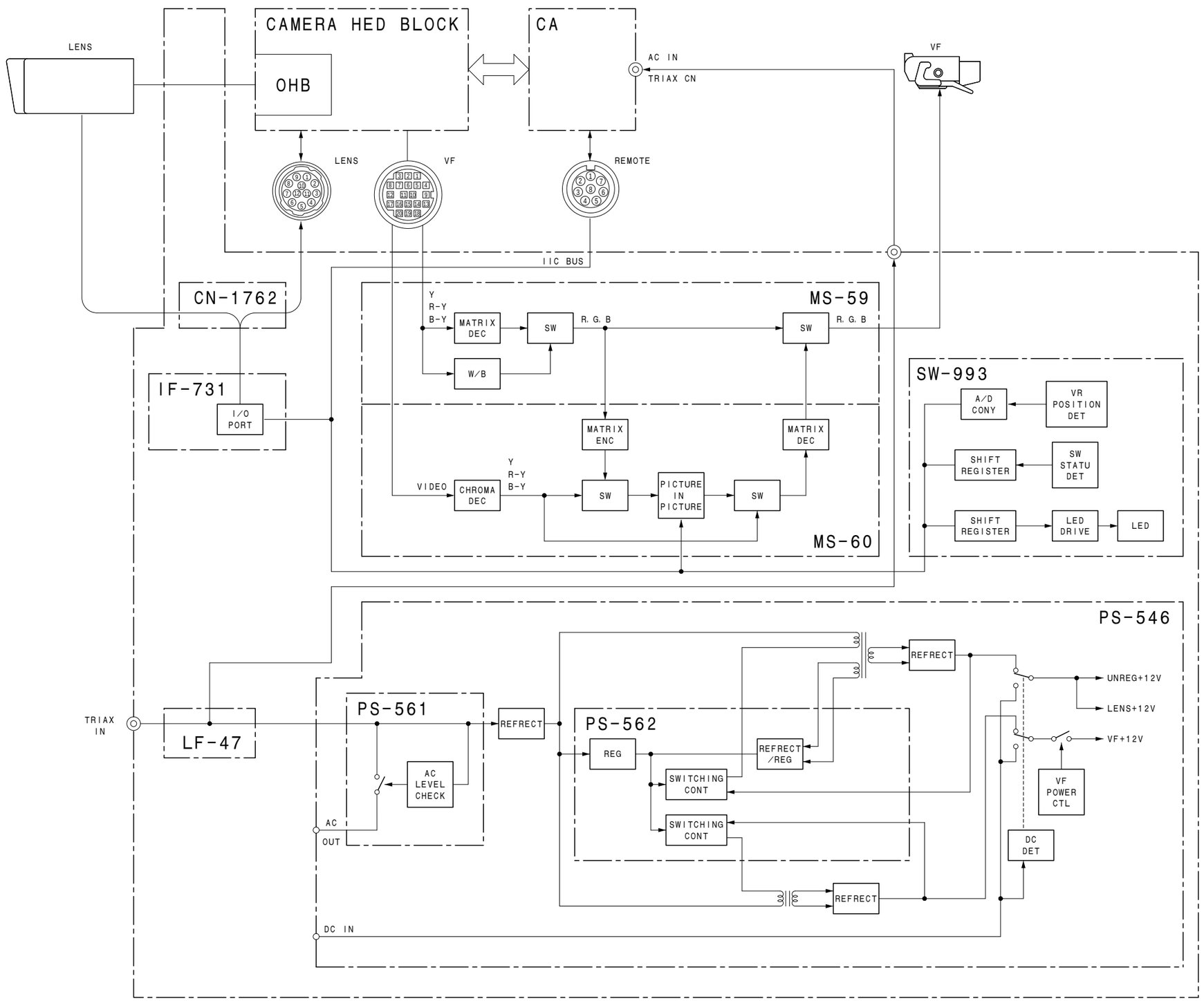
A0 - A7 : ADDRESS
$\overline{CAS}$: COLUMN ADDRESS STROBE
$\overline{DT/OE}$: DATA TRANSMISSION/OUTPUT ENABLE
$\overline{RAS}$: ROW ADDRESS STROBE
SC : SERIAL CLOCK
$\overline{SOE}$: SAM PORT ENABLE
$\overline{WE}$: WRITE ENABLE

INPUTS/OUTPUTS

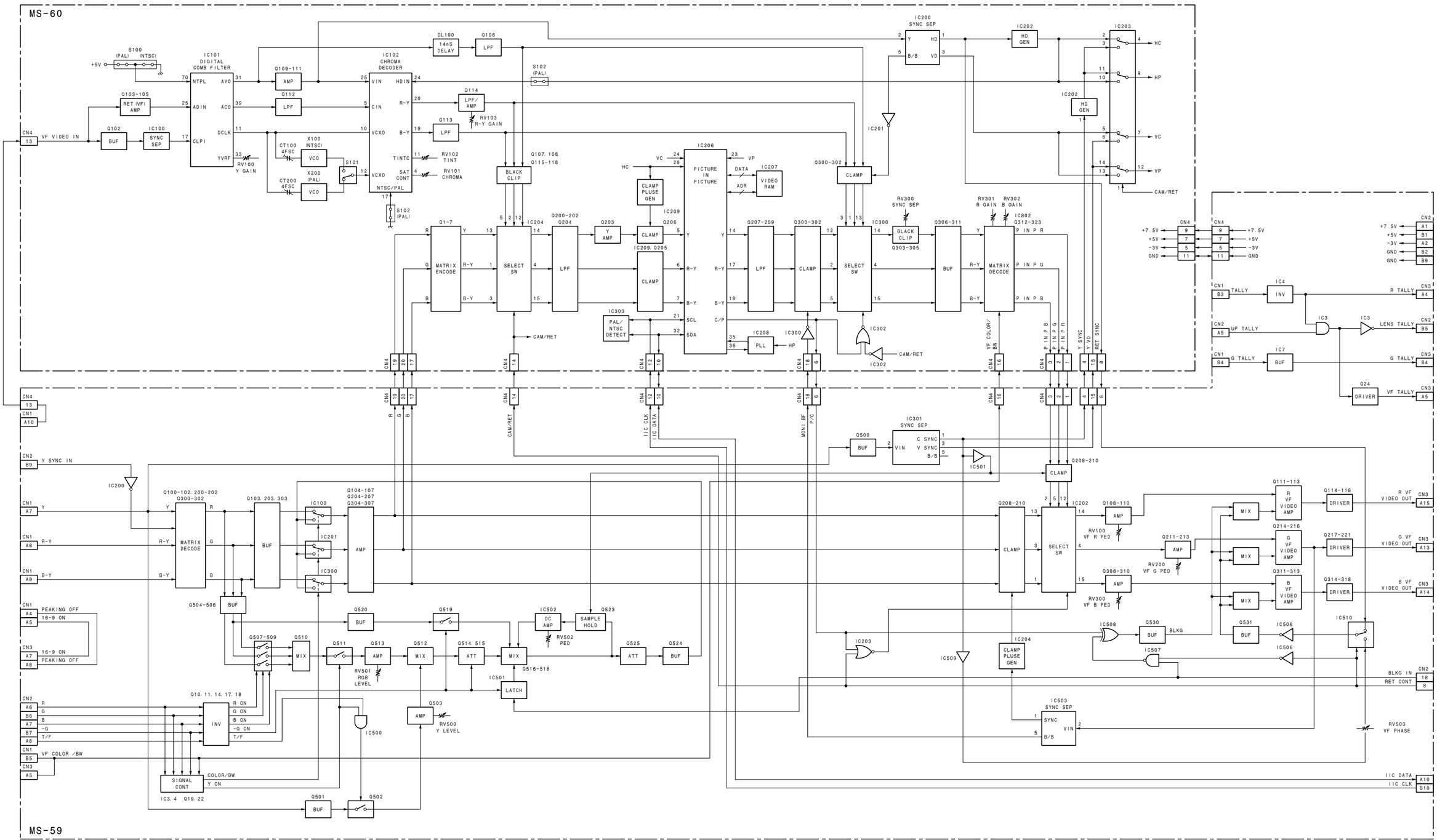
I/O1 - I/O4 : RAM PORT DATA
SI/O1 - SI/O4 : SAM PORT DATA

Section 5
Block Diagrams

CA-905K (UC)
CA-905T (J)
CA-905F (CE)
BKP-9057



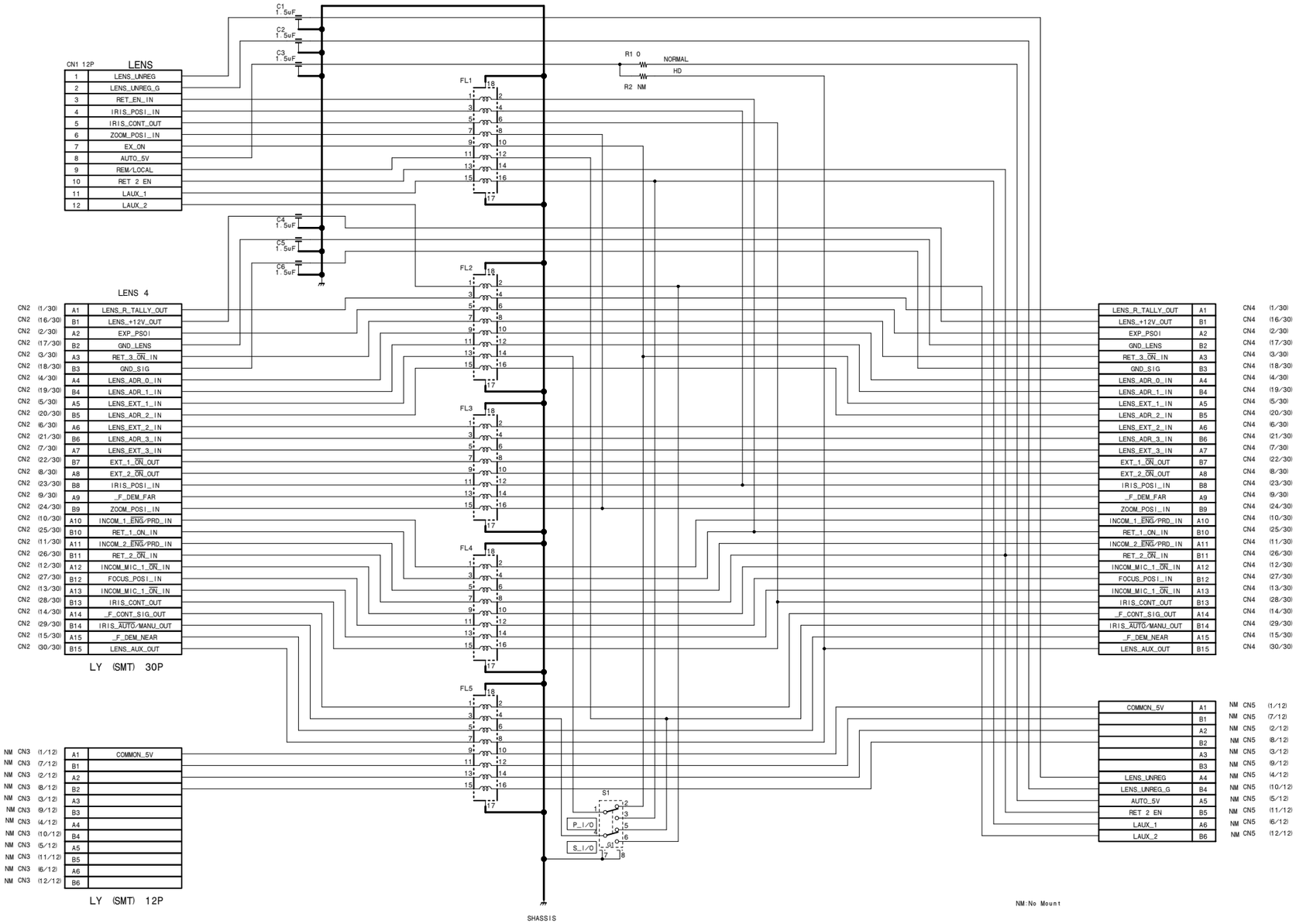
BKP-9057



MS-59/60

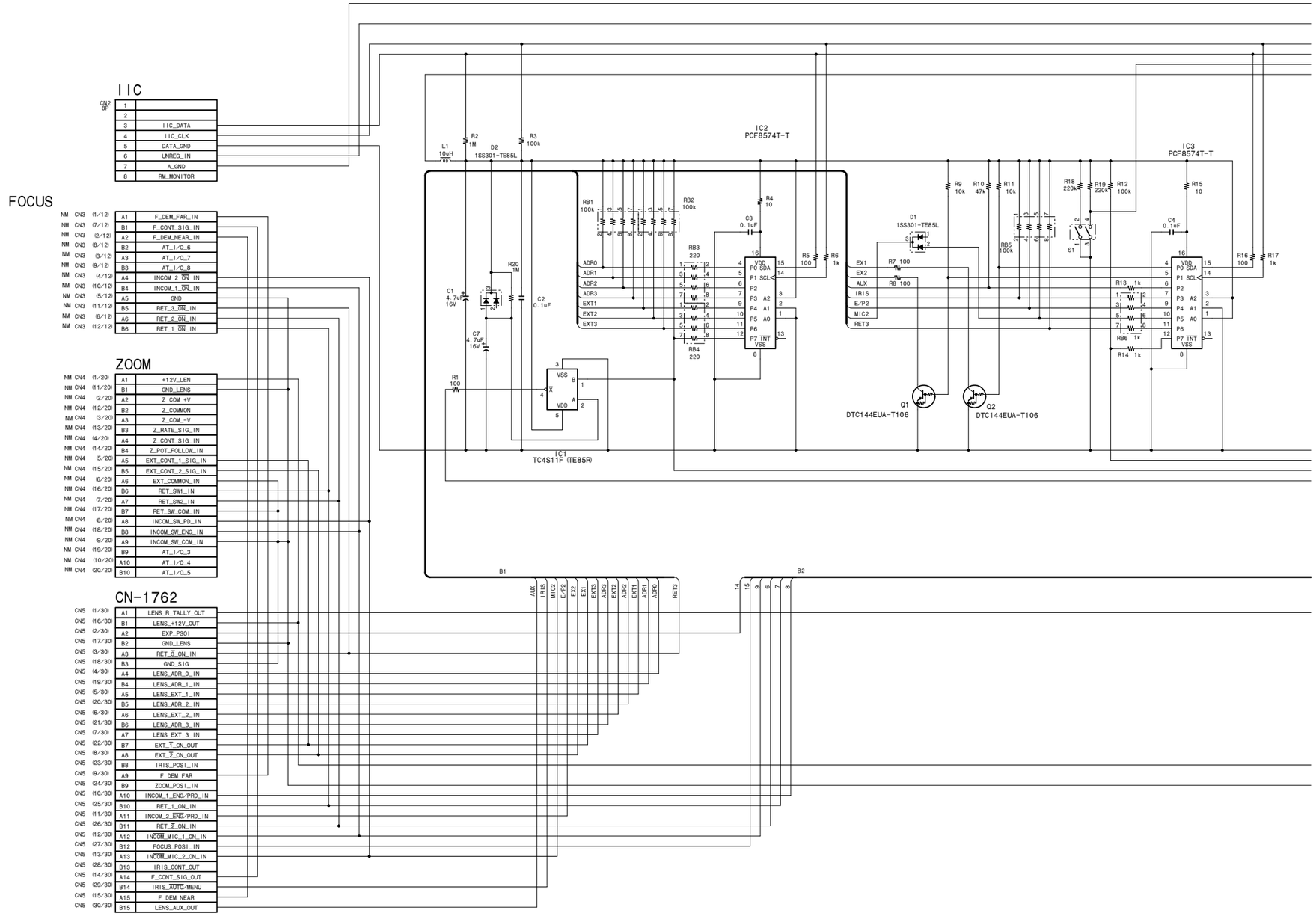
Section 6
Schematic Diagrams

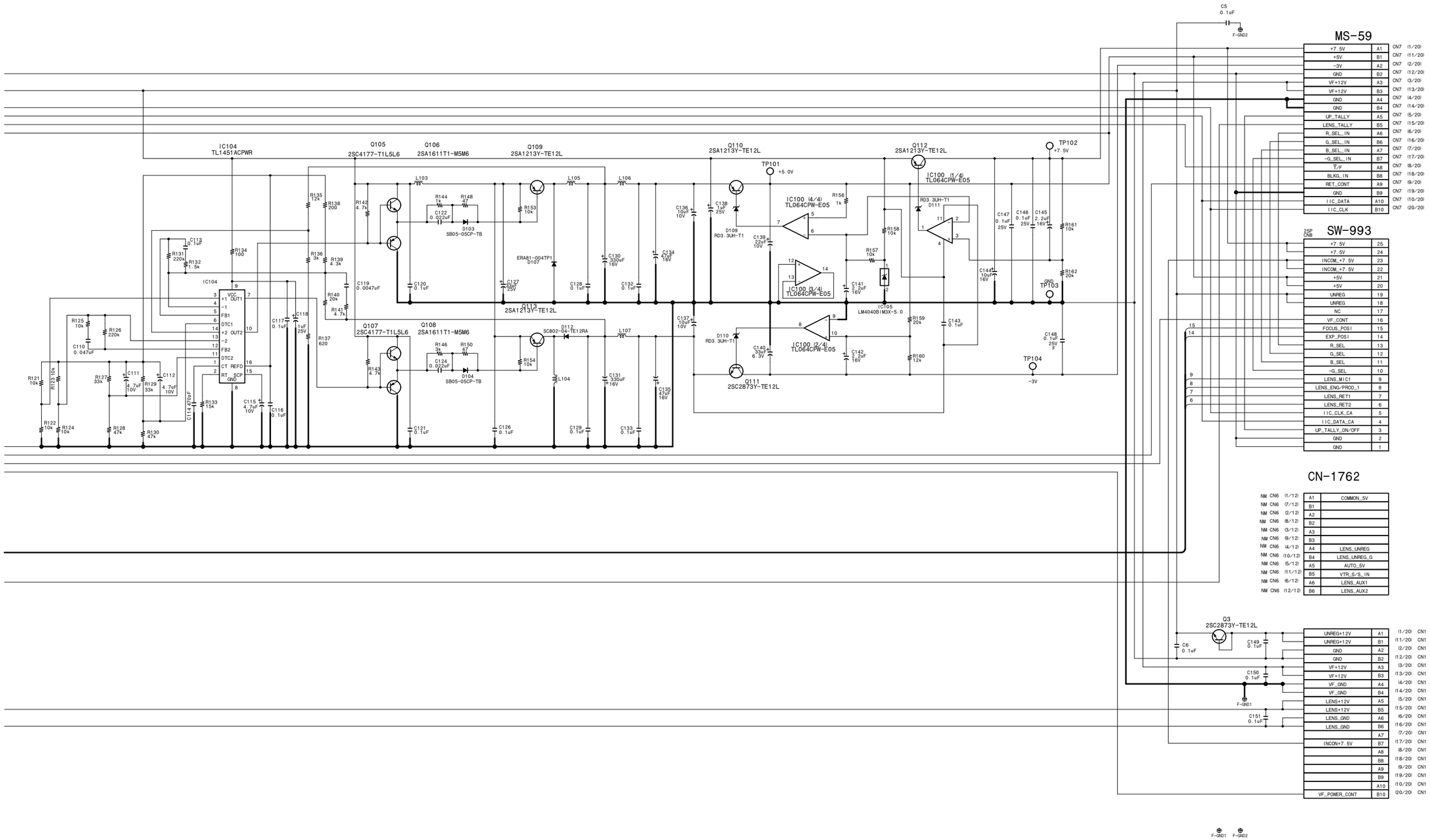
CA-905K (UC)
CA-905T (J)
CA-905F (CE)



CN-1762
BOARD NO. 1-674-709-11
LOT NO. 903-
CN1762_003_1

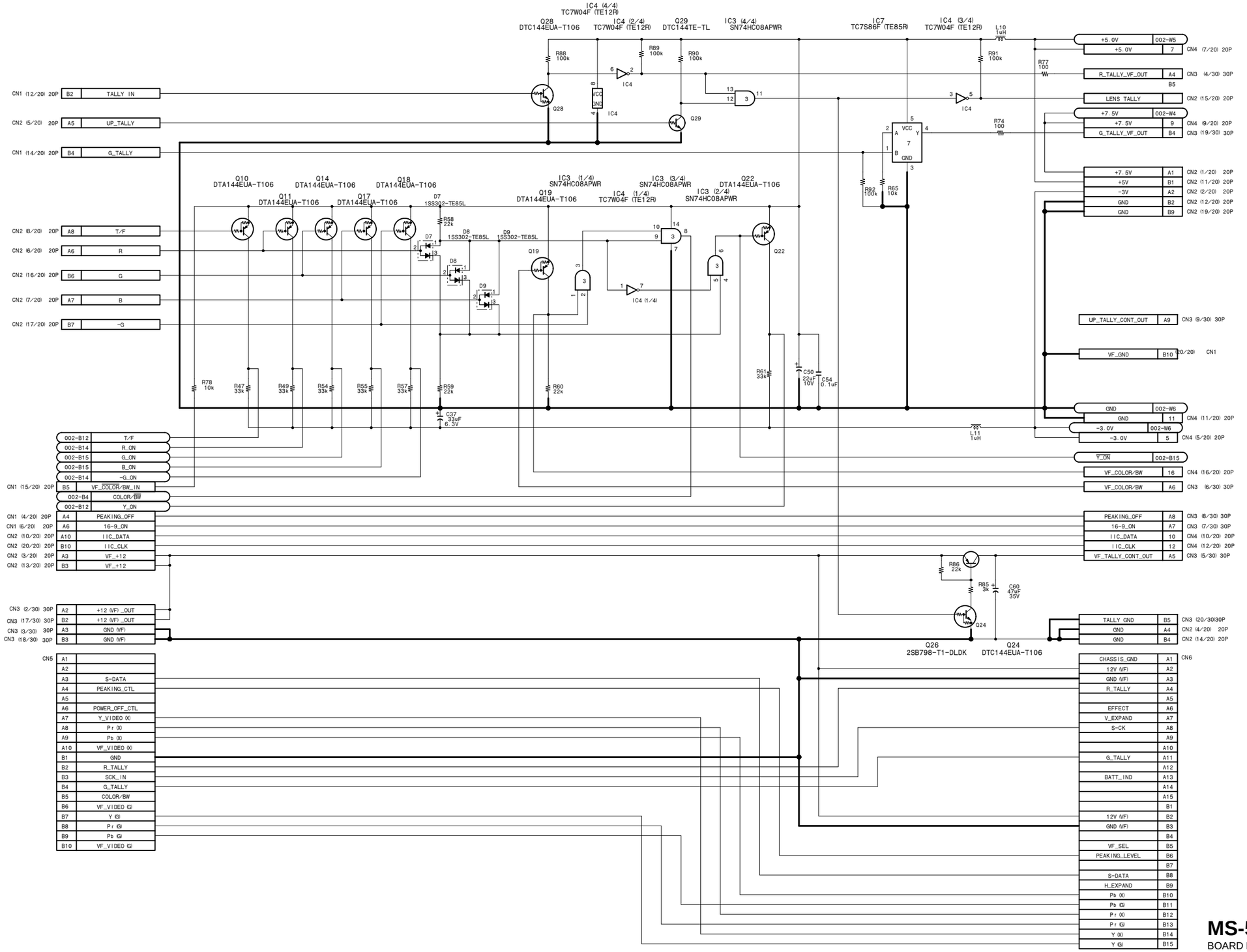
CA-905K (UC)
CA-905T (J)
CA-905F (CE)





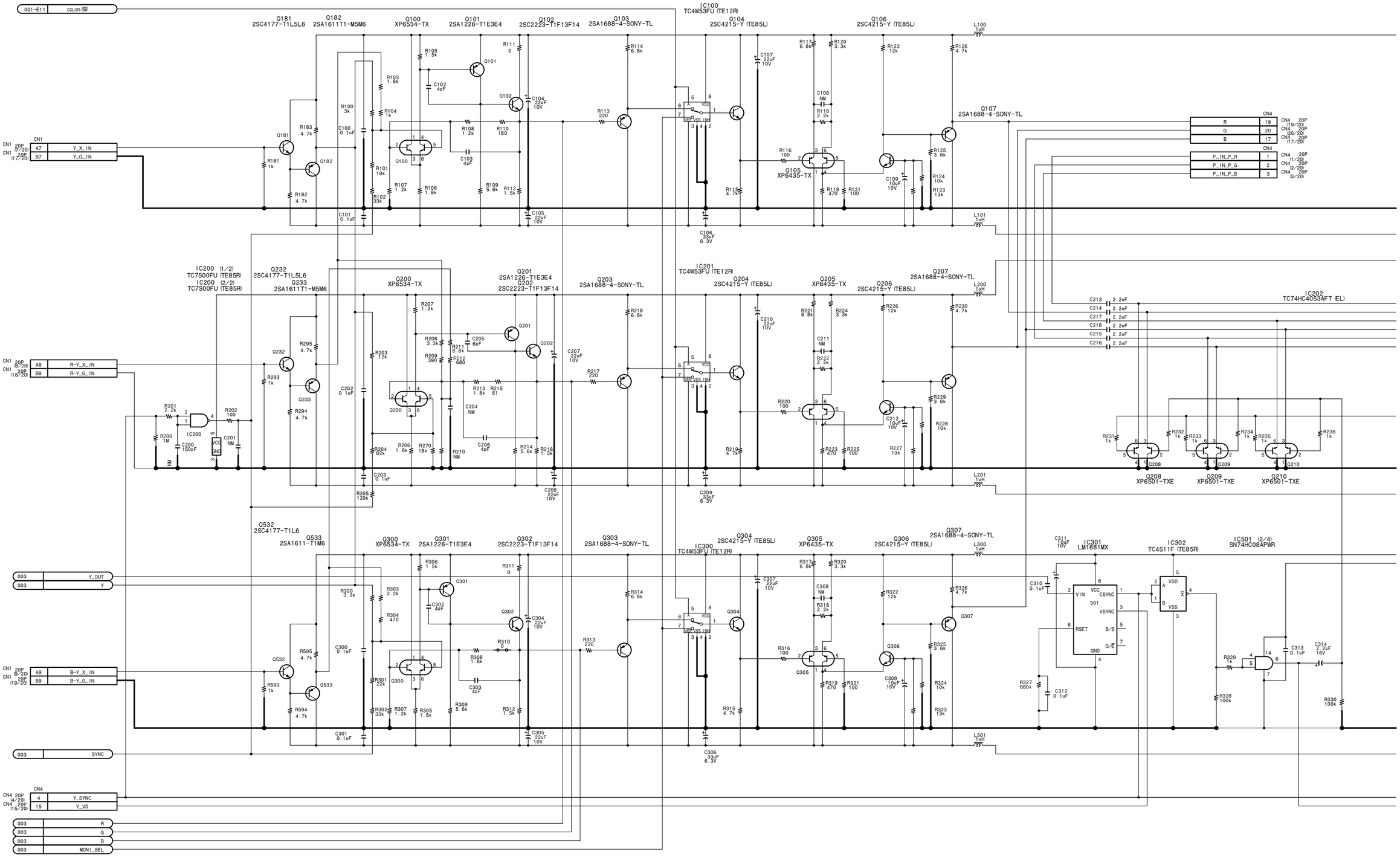
IF-731
BOARD NO. 1-674-703-11
LOT NO. 903-
IF731_003_1

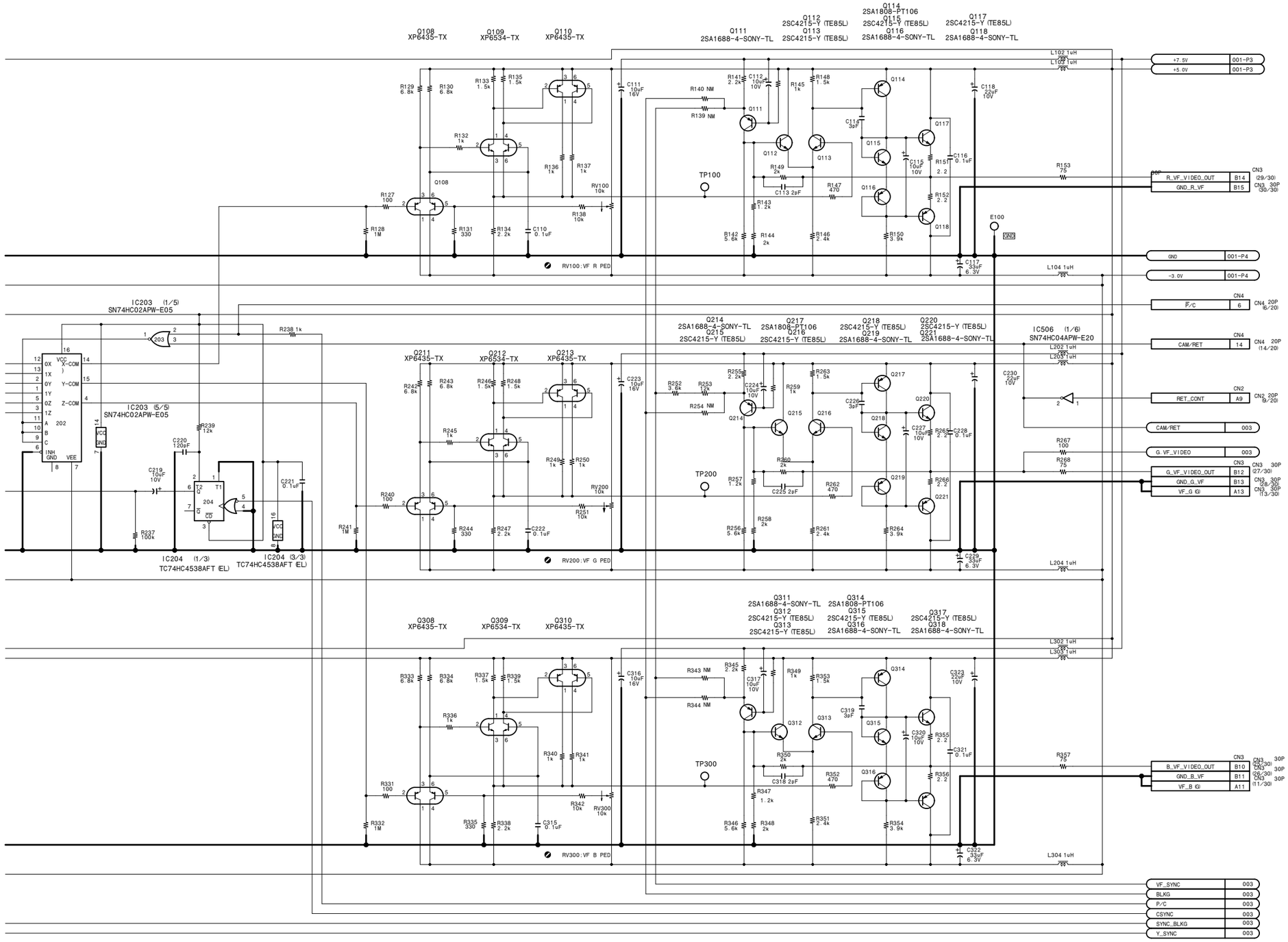
BKP-9057 (SY)


IC4 (4/4) TC7W04F (TE12R)
Q28 DTC144EUA-T106
IC4 (2/4) TC7W04F (TE12R)
Q29 DTC144TE-TL
IC3 (4/4) SN74HC08APWR
IC7 TC7S86F (TE85R)
IC4 (3/4) TC7W04F (TE12R)
L10 1uH
R88 100k
R89 100k
R90 100k
R91 100k
R77 100
R74 100
R92 100k
R65 10k
IC4
Q28
Q29
IC4
IC4
IC4

MS-59 (2/3)

BKP-9057 (SY)



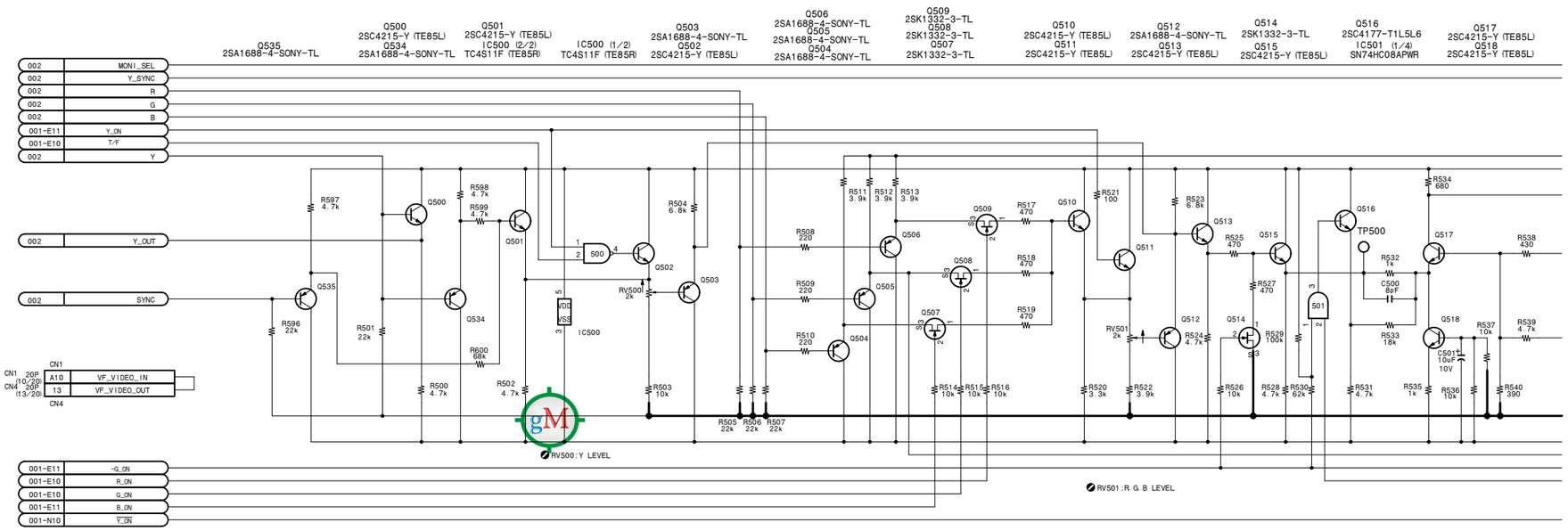


MS-59 (2/3)

BOARD NO. 1-674-701-11
LOT NO. 903-
MS59_003_2

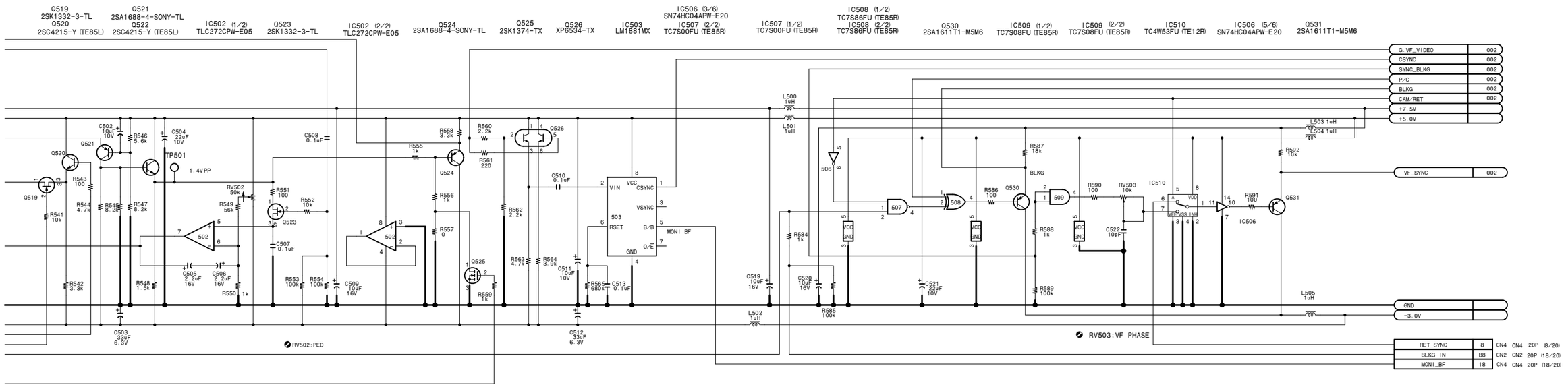
MS-59 (3/3)

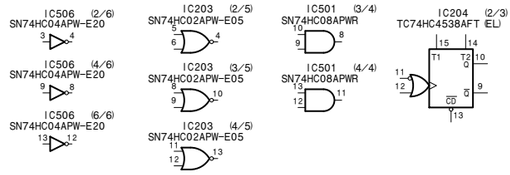
BKP-9057 (SY)



6-8

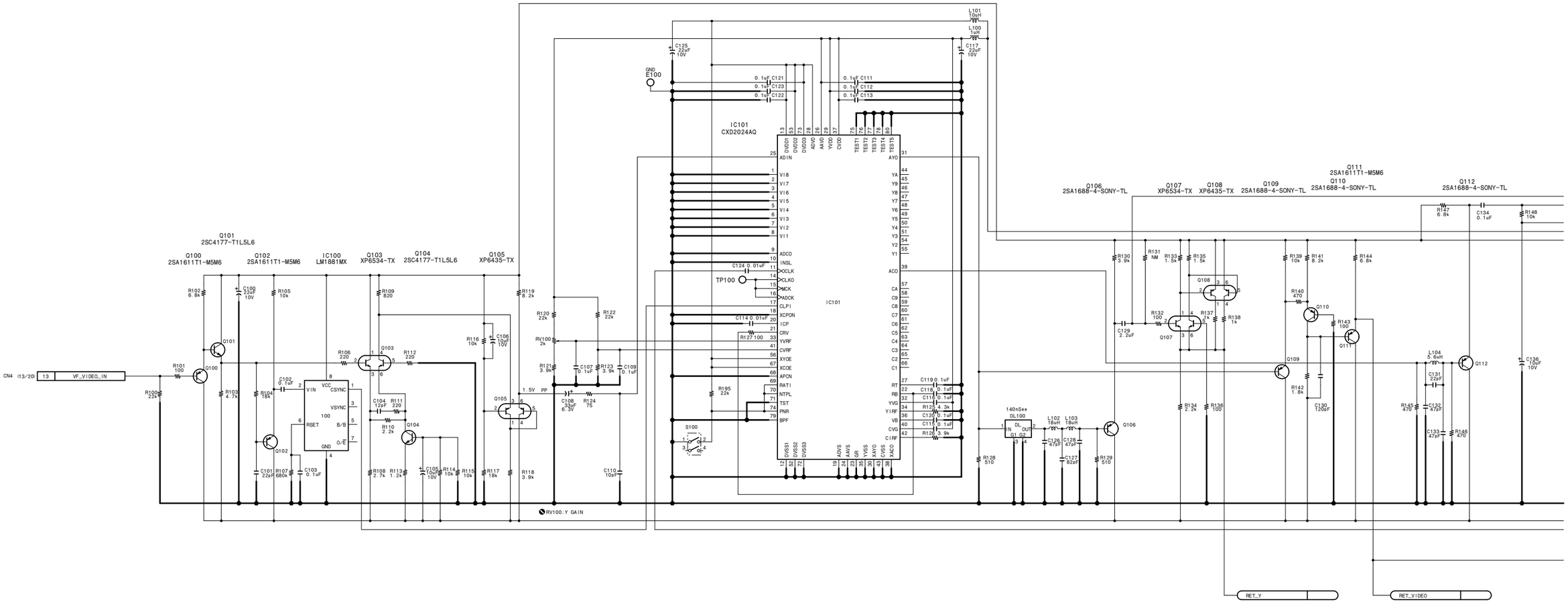
MS-59 (3/3)

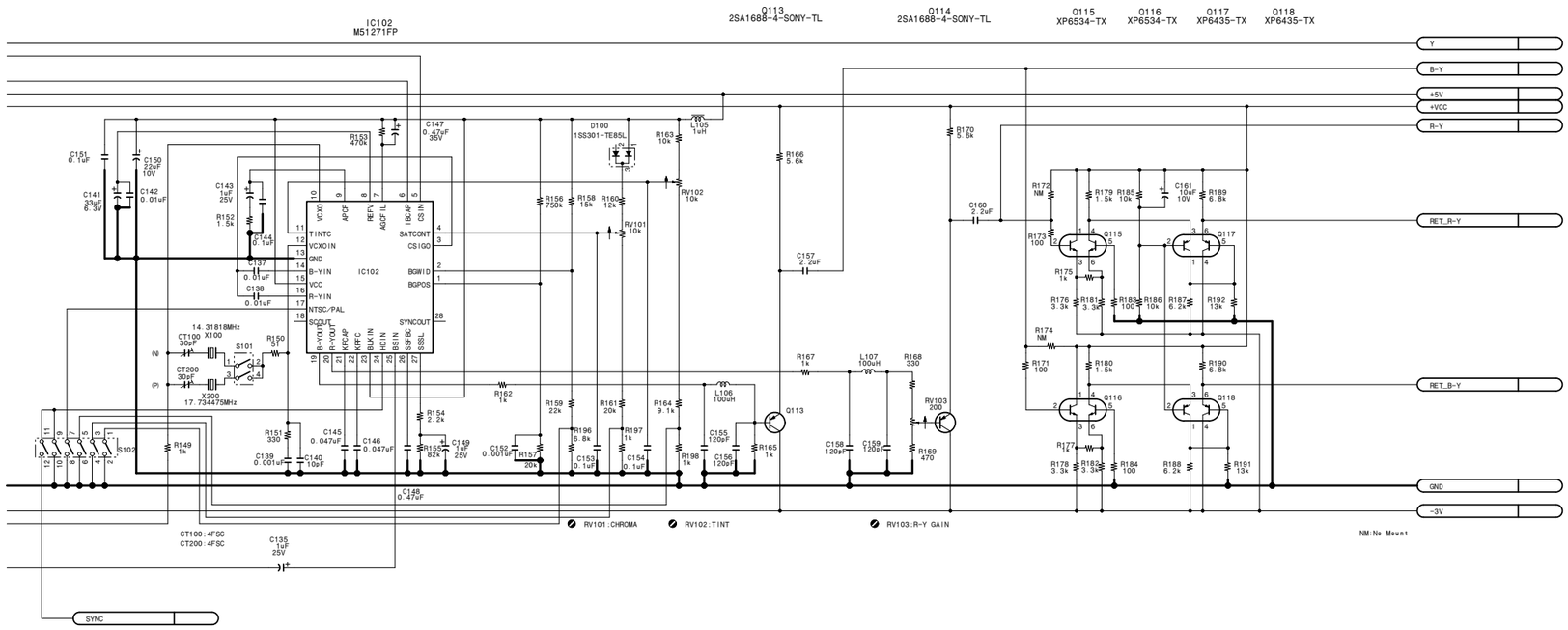




MS-59 (3/3)
BOARD NO. 1-674-701-11
LOT NO. 903-
MS59_003_3

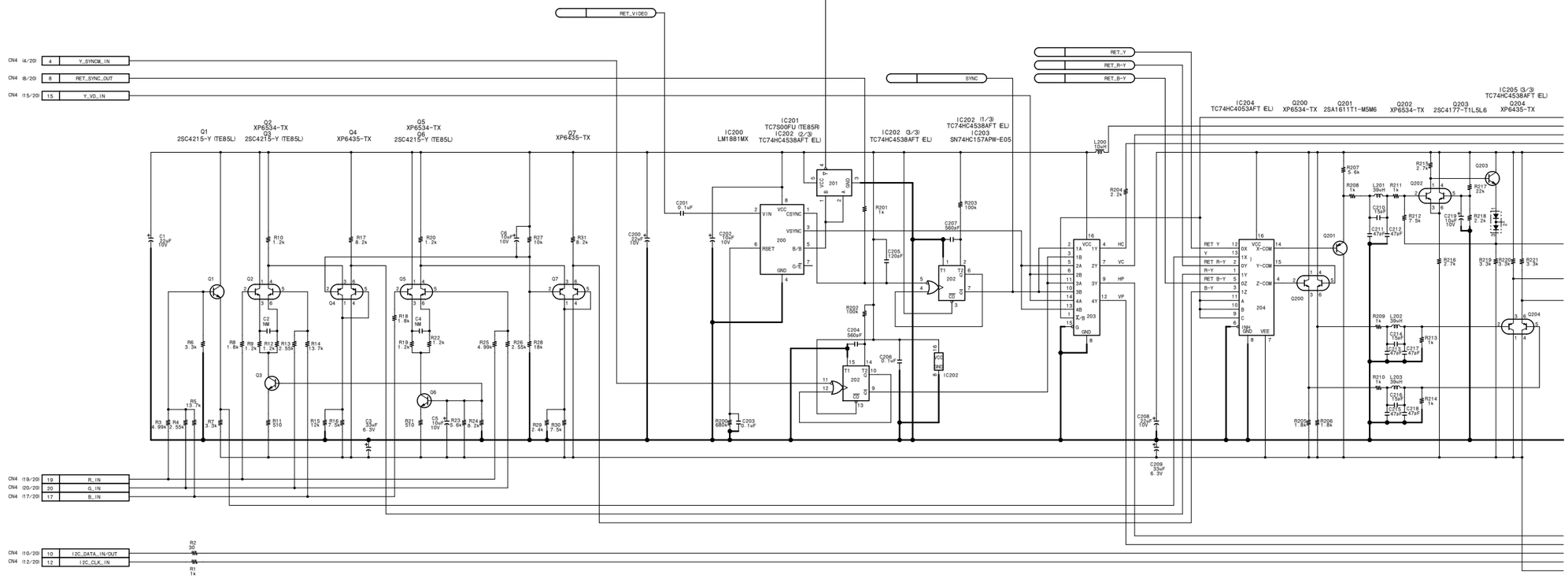
BKP-9057 (SY)

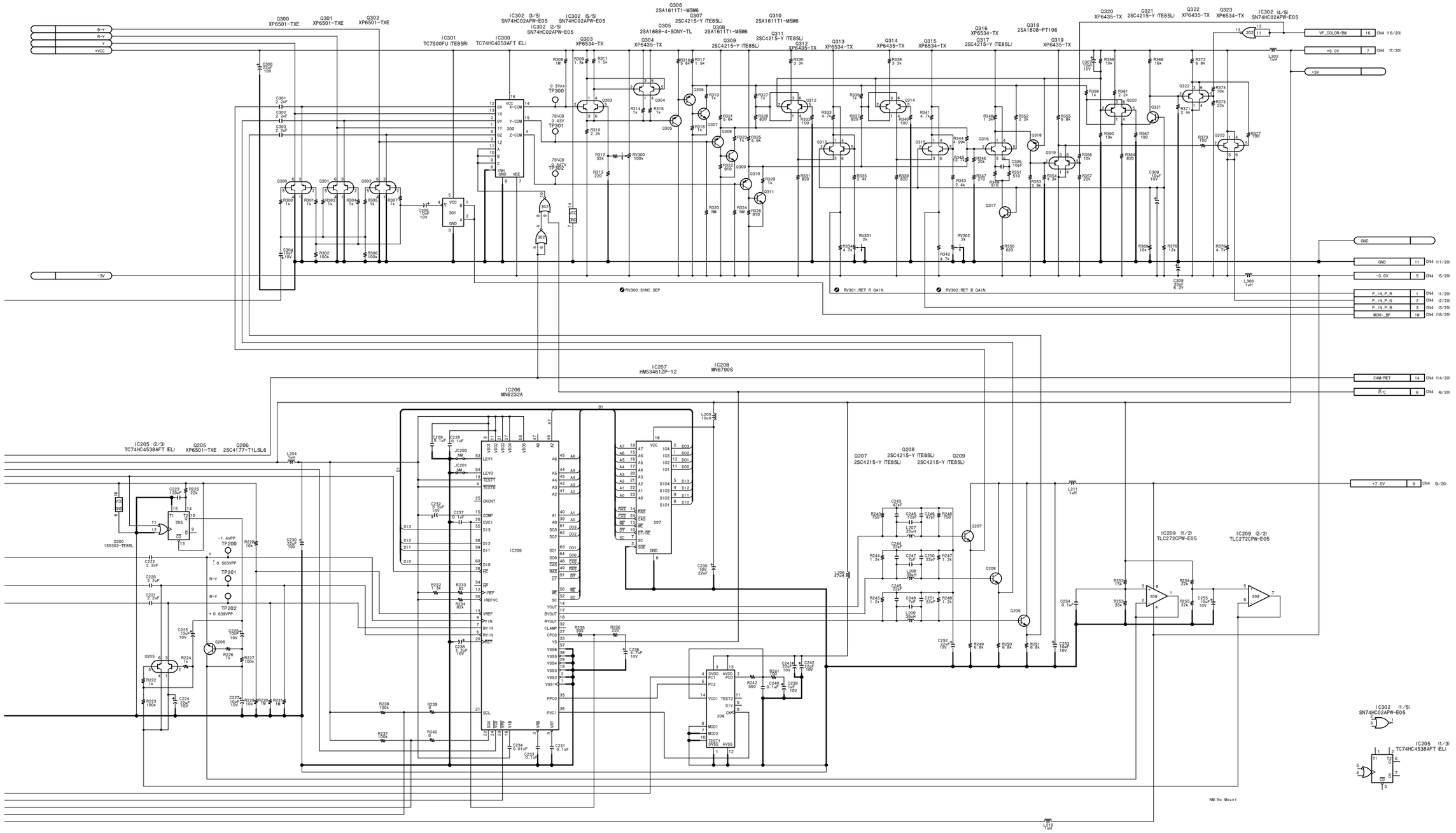

IC101
CXD2024AQ
Q100 2SA1611T1-M5M6
Q101 2SC4177-T1L5L6
Q102 2SA1611T1-M5M6
IC100 LM1881MX
Q103 XP6534-TX
Q104 2SC4177-T1L5L6
Q105 XP6435-TX
Q106 2SA1688-4-SONY-TL
Q107 XP6534-TX
Q108 XP6435-TX
Q109 2SA1688-4-SONY-TL
Q110 2SA1688-4-SONY-TL
Q111 2SA1611T1-M5M6
Q112 2SA1688-4-SONY-TL
CN4 (13/20) 13 VF_VIDEO_IN
GND E100
TP100
S100
140nSec DL100
RV100:Y GAIN
RET_Y
RET_VIDEO



MS-60 (1/2)
BOARD NO. 1-674-702-11
LOT NO. 903-
MS60_003_1

BKP-9057 (SY)

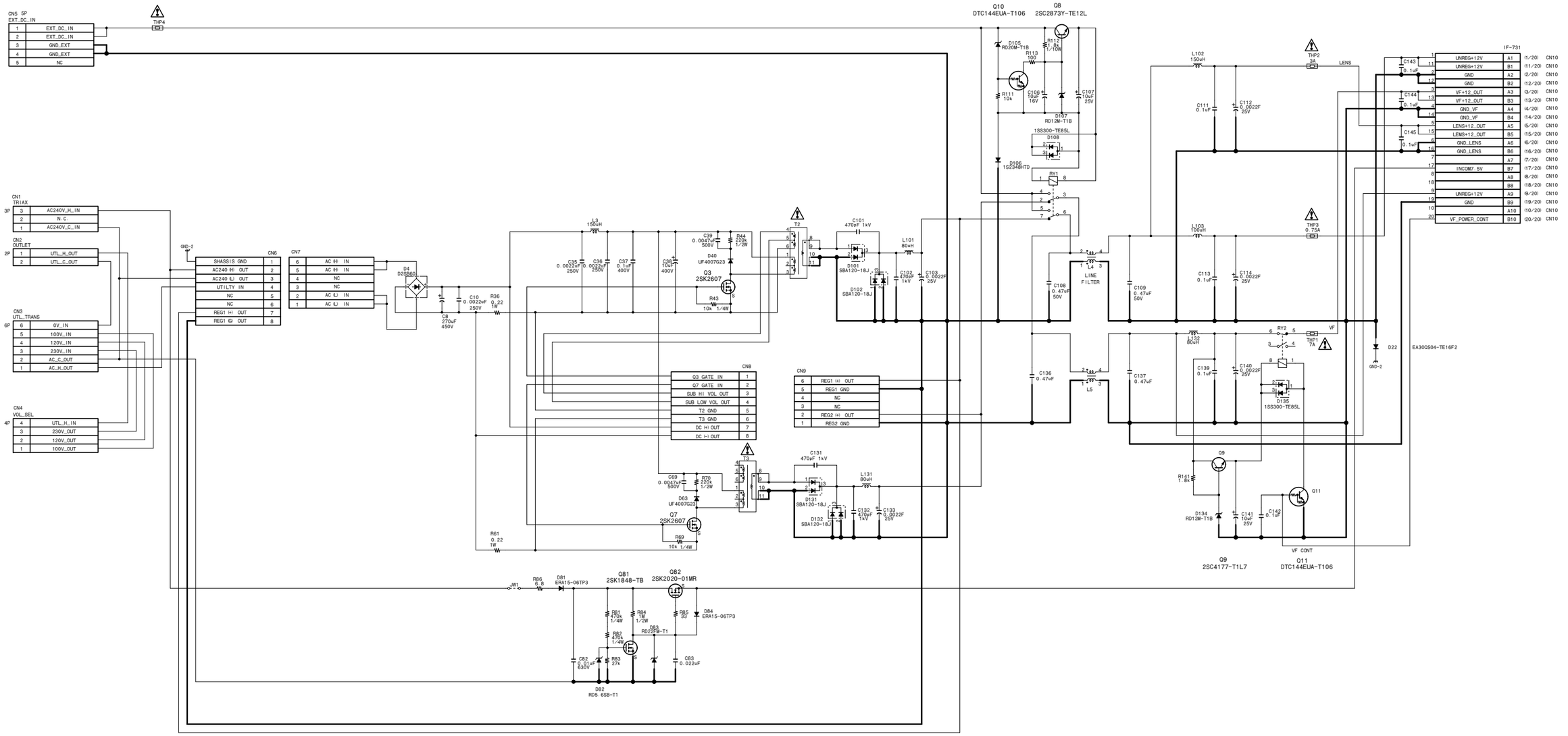

RET_VIDEO
RET_Y
RET_R-Y
RET_B-Y
SYNC
CN4 I4/2D 4 Y_SYNCM_IN
CN4 I8/2D 8 RET_SYNC_OUT
CN4 I15/2D 15 Y_VD_IN
CN4 I19/2D 19 R_IN
CN4 I20/2D 20 G_IN
CN4 I17/2D 17 B_IN
CN4 I10/2D 10 I2C_DATA_IN/OUT
CN4 I12/2D 12 I2C_CLK_IN
Q1 2SC4215-Y (TE85L)
Q2 XP6534-TX
Q3 2SC4215-Y (TE85L)
Q4 XP6435-TX
Q5 XP6534-TX
Q6 2SC4215-Y (TE85L)
Q7 XP6435-TX
IC200 LM1881MX
IC201 TC7S00FU (TE85R)
IC202 (2/3) TC74HC4538AFT (EL)
IC202 (3/3) TC74HC4538AFT (EL)
IC202 (1/3) TC74HC4538AFT (EL)
IC203 SN74HC157APW-E05
IC204 TC74HC4053AFT (EL)
Q200 XP6534-TX
Q201 2SA1611T1-M5M6
Q202 XP6534-TX
Q203 2SC4177-TTL5L6
IC205 (3/3) TC74HC4538AFT (EL)
Q204 XP6435-TX



MS-60 (2/2)

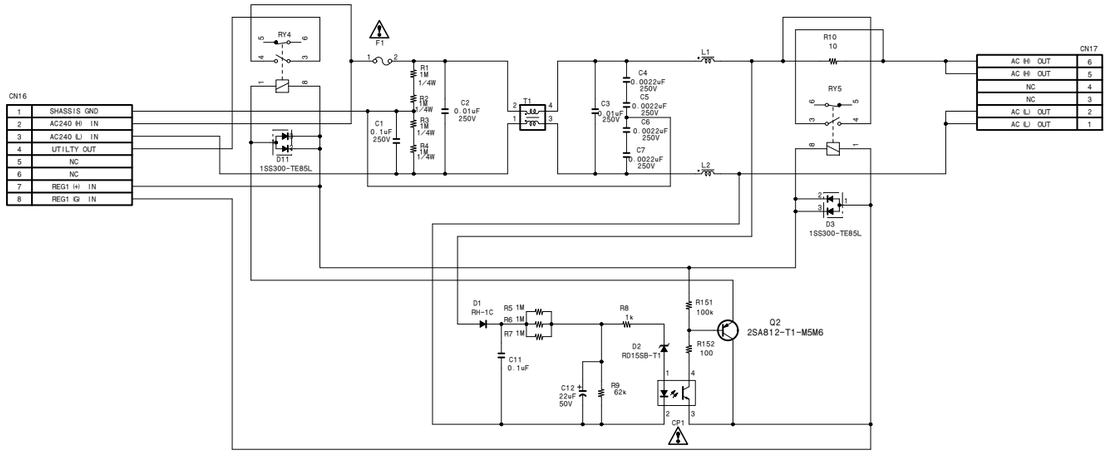
BOARD NO. 1-674-702-11
LOT NO. 903-
MS60_003_2

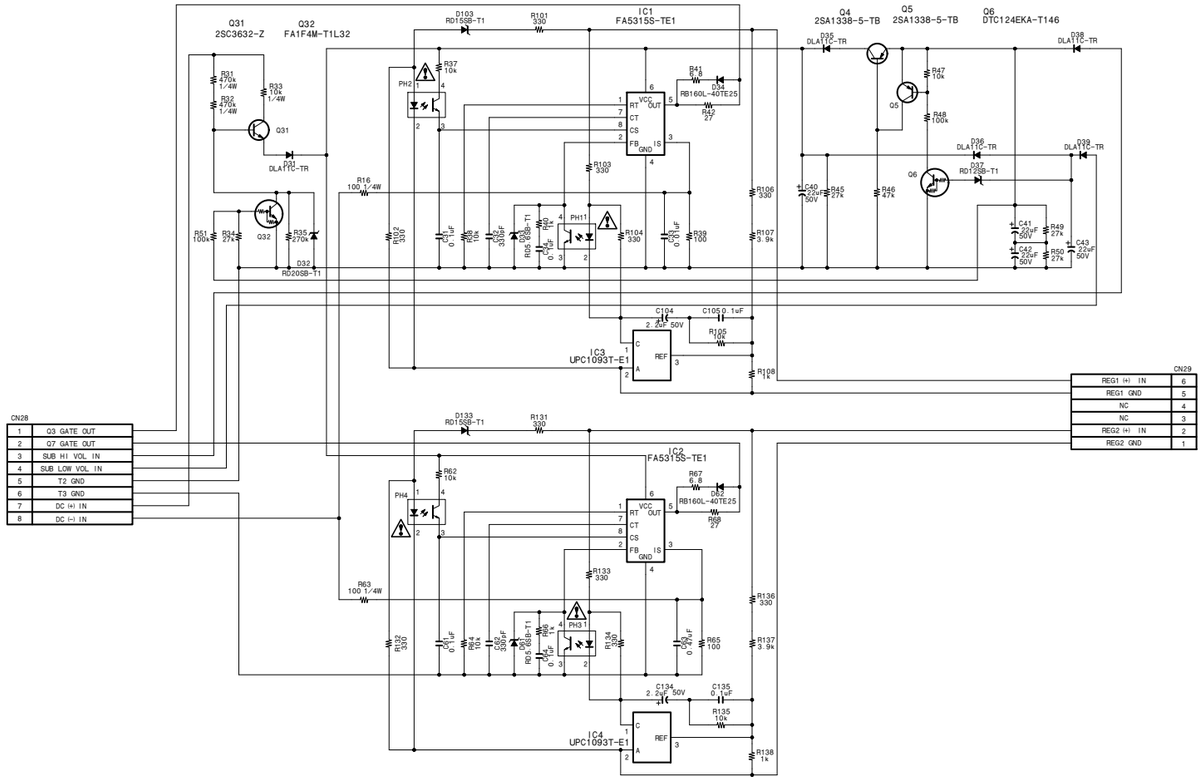
CA-905K (UC)
CA-905T (J)
CA-905F (CE)



PS-546
BOARD NO. 1-674-705-11
LOT NO. 903-
PS546_003_1

CA-905K (UC)
CA-905T (J)
CA-905F (CE)





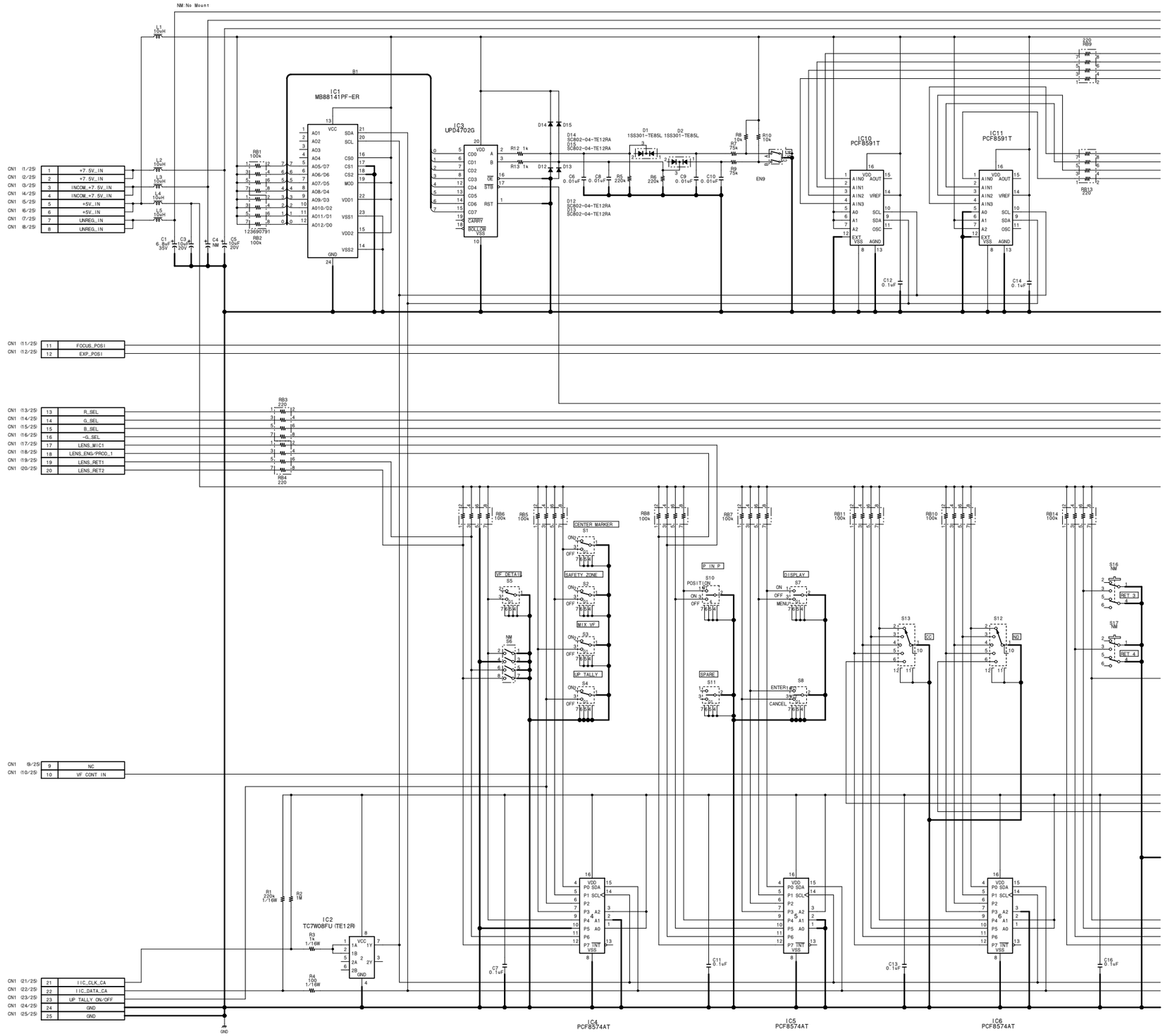
PS-561

BOARD NO. 1-674-706-11
LOT NO. 903-
PS561_003_1

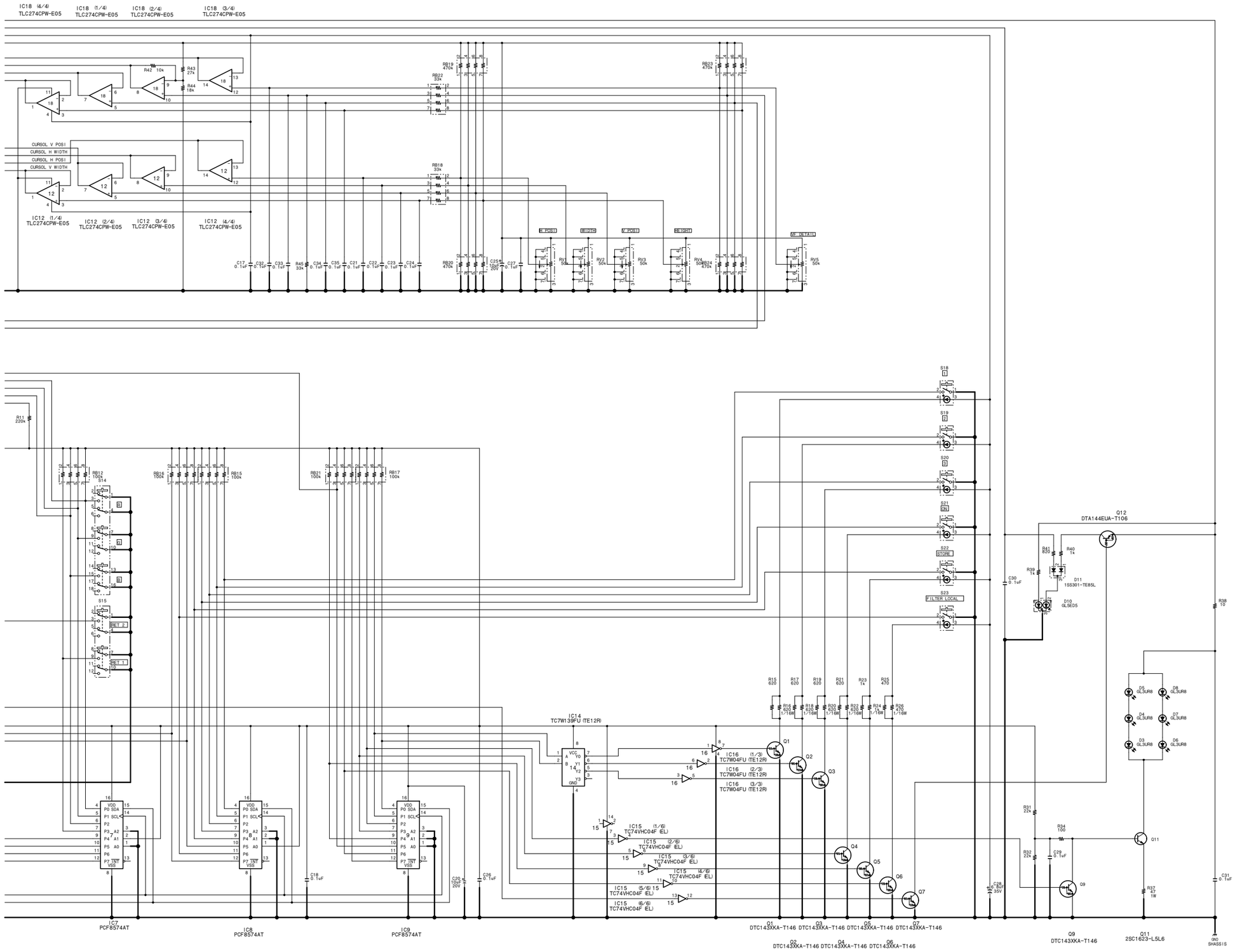
PS-562

BOARD NO. 1-674-707-11
LOT NO. 903-
PS562_003_1

CA-905K (UC)
CA-905T (J)
CA-905F (CE)

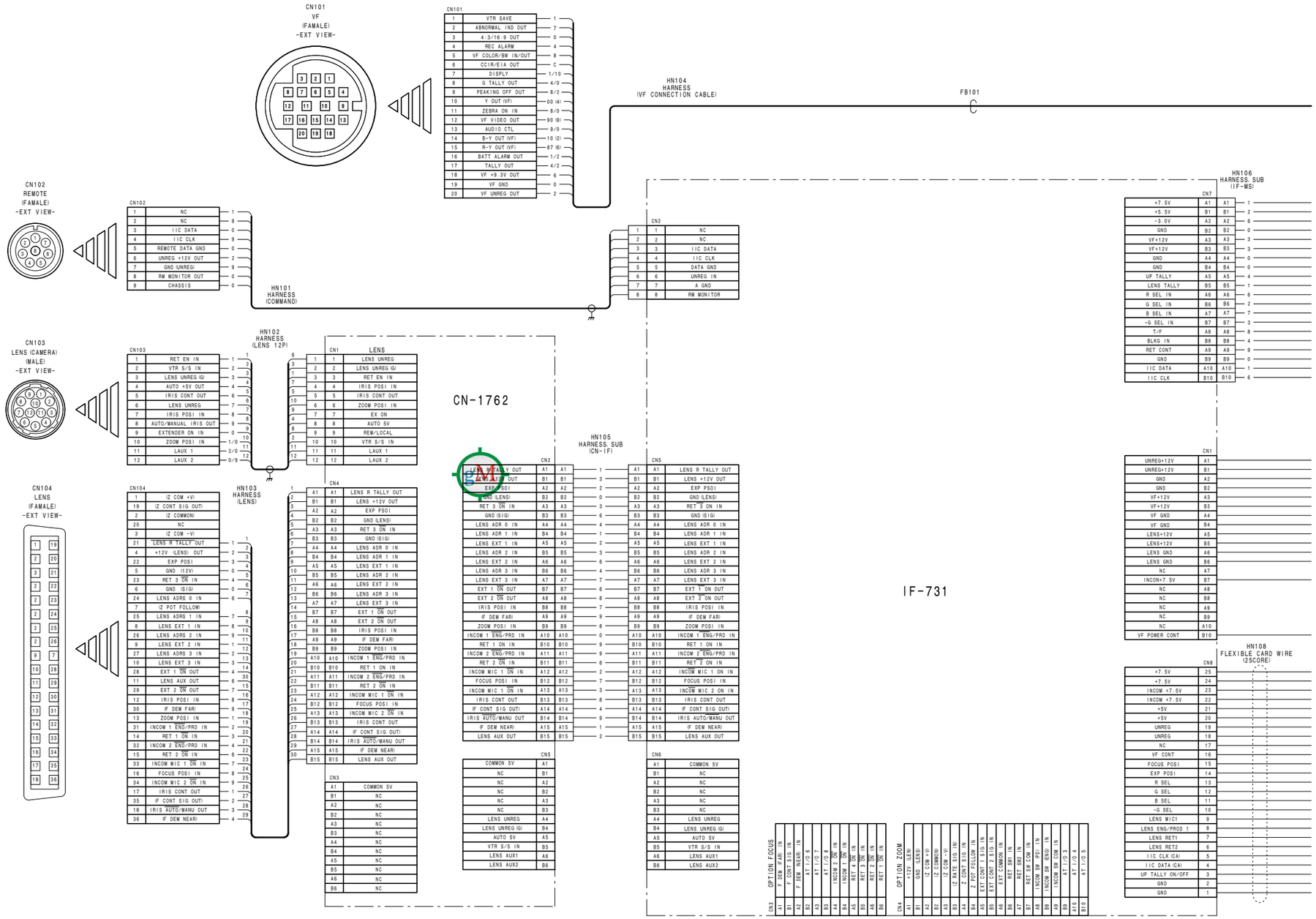


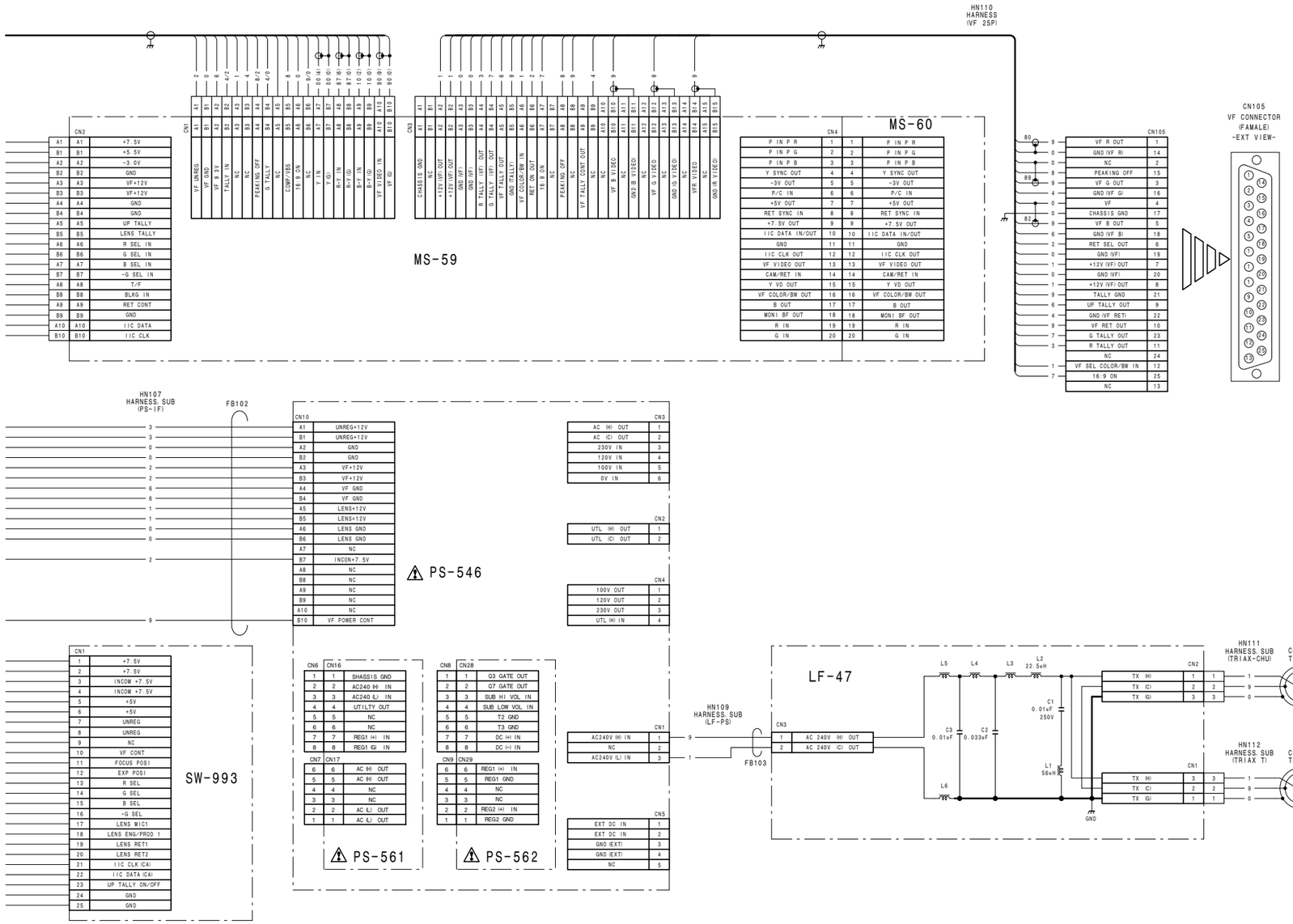
CA-905 MMP2



SW-993
BOARD NO. 1-674-704-11
LOT NO. 903-
SW993_003_1

CA-905K (UC)
CA-905T (J)
CA-905F (CE)





A1	A1	+7.5V
B1	B1	+5.5V
A2	A2	-3.0V
B2	B2	GND
A3	A3	VF+12V
B3	B3	VF+12V
A4	A4	GND
B4	B4	GND
A5	A5	UP TALLY
B5	B5	LENS TALLY
A6	A6	R SEL IN
B6	B6	G SEL IN
A7	A7	B SEL IN
B7	B7	-G SEL IN
A8	A8	T/F
B8	B8	BLKG IN
A9	A9	RET CONT
B9	B9	GND
A10	A10	IIC DATA
B10	B10	IIC CLK

CN1		
A1	B1	VF UNREG
A2	B2	VF GND
A3	B3	VF 9.3V
A4	B4	TALLY IN
A5	B5	NC
A6	B6	NC
A7	B7	PEAKING OFF
A8	B8	G TALLY
A9	B9	NC
A10	B10	COMP/BBS
A11	B11	16:9 ON
A12	B12	NC
A13	B13	Y IN
A14	B14	Y GI
A15	B15	R-Y IN
B15	A15	R-Y GI
B14	A14	B-Y IN
B13	A13	B-Y GI
B12	A12	VF VIDEO IN
B11	A11	VF GI

CN3		
A1	B1	CHASSIS GND
A2	B2	NC
A3	B3	+12V(VF) OUT
A4	B4	+12V(VF) OUT
A5	B5	GND (VF)
A6	B6	GND (VF) OUT
A7	B7	R TALLY (VF) OUT
A8	B8	G TALLY (VF) OUT
A9	B9	VF TALLY OUT
A10	B10	GND (TALLY)
A11	B11	VF COLOR/BW IN
A12	B12	RET ON OUT
A13	B13	16:9 ON
A14	B14	NC
A15	B15	PEAKING OFF
B15	A15	VF FALLY CONT OUT
B14	A14	NC
B13	A13	NC
B12	A12	VF B VIDEO
B11	A11	NC
B10	A10	GND (B VIDEO)
B9	A9	NC
B8	A8	VF G VIDEO
B7	A7	NC
B6	A6	GND (G VIDEO)
B5	A5	NC
B4	A4	VFR VIDEO
B3	A3	NC
B2	A2	GND (R VIDEO)
B1	A1	NC

CN4		
P IN P R	1	P IN P R
P IN P G	2	P IN P G
P IN P B	3	P IN P B
Y SYNC OUT	4	Y SYNC OUT
-3V OUT	5	-3V OUT
P/C IN	6	P/C IN
+5V OUT	7	+5V OUT
RET SYNC IN	8	RET SYNC IN
+7.5V OUT	9	+7.5V OUT
IIC DATA IN/OUT	10	IIC DATA IN/OUT
GND	11	GND
IIC CLK OUT	12	IIC CLK OUT
VF VIDEO OUT	13	VF VIDEO OUT
CAM/RET IN	14	CAM/RET IN
Y VD OUT	15	Y VD OUT
VF COLOR/BW OUT	16	VF COLOR/BW OUT
B OUT	17	B OUT
MONI BF OUT	18	MONI BF OUT
R IN	19	R IN
G IN	20	G IN

CN105		
VF R OUT	1	P IN P R
GND (VF R)	14	
NC	2	
PEAKING OFF	15	
VF G OUT	3	
GND (VF G)	16	
VF	4	
CHASSIS GND	17	
VF B OUT	5	
GND (VF B)	18	
RET SEL OUT	6	
GND (VF)	19	
+12V (VF) OUT	7	
GND (VF)	20	
+12V (VF) OUT	8	
TALLY GND	21	
UP TALLY OUT	9	
GND (VF RET)	22	
VF RET OUT	10	
G TALLY OUT	23	
R TALLY OUT	11	
NC	24	
VF SEL COLOR/BW IN	12	
16:9 ON	25	
NC	13	

CN10		
A1	B1	UNREG+12V
B1	A2	UNREG+12V
A2	B2	GND
B2	A3	GND
A3	B3	VF+12V
B3	A4	VF+12V
A4	B4	VF GND
B4	A5	VF GND
A5	B5	LENS+12V
B5	A6	LENS+12V
A6	B6	LENS GND
B6	A7	LENS GND
A7	B7	NC
B7	A8	INCON+7.5V
A8	B8	NC
B8	A9	NC
A9	B9	NC
A10	B10	NC
B10	A10	NC
B10	B9	VF POWER CONT

CN3		
AC (H) OUT	1	
AC (C) OUT	2	
230V IN	3	
120V IN	4	
100V IN	5	
0V IN	6	

CN2		
UTL (H) OUT	1	
UTL (C) OUT	2	

CN4		
100V OUT	1	
120V OUT	2	
230V OUT	3	
UTL (H) IN	4	

CN1		
1	1	+7.5V
2	2	+7.5V
3	3	INCOM +7.5V
4	4	INCOM +7.5V
5	5	+5V
6	6	+5V
7	7	UNREG
8	8	UNREG
9	9	NC
10	10	VF CONT
11	11	FOCUS POSI
12	12	EXP POSI
13	13	R SEL
14	14	G SEL
15	15	B SEL
16	16	-G SEL
17	17	LENS MIC1
18	18	LENS ENG/PROD 1
19	19	LENS RET1
20	20	LENS RET2
21	21	IIC CLK (CA)
22	22	IIC DATA (CA)
23	23	UP TALLY ON/OFF
24	24	GND
25	25	GND

CN6	CN16	
1	1	SHASSIS GND
2	2	AC240 (H) IN
3	3	AC240 (L) IN
4	4	UTILITY OUT
5	5	NC
6	6	NC
7	7	REG1 (+) IN
8	8	REG1 (G) IN

CN7	CN17	
6	6	AC (H) OUT
5	5	AC (H) OUT
4	4	NC
3	3	NC
2	2	AC (L) OUT
1	1	AC (L) OUT

CN8	CN28	
1	1	Q3 GATE OUT
2	2	Q7 GATE OUT
3	3	SUB HI VOL IN
4	4	SUB LOW VOL IN
5	5	T2 GND
6	6	T3 GND
7	7	DC (+) IN
8	8	DC (-) IN

CN9	CN29	
6	6	REG1 (+) IN
5	5	REG1 GND
4	4	NC
3	3	NC
2	2	REG2 (+) IN
1	1	REG2 GND

CN1		
AC240V (H) IN	1	
NC	2	
AC240V (L) IN	3	

CN5		
EXT DC IN	1	
EXT DC IN	2	
GND (EXT)	3	
GND (EXT)	4	
NC	5	

CN3		
1	AC 240V (H) OUT	
2	AC 240V (C) OUT	

CN2		
TX (H)	1	1
TX (C)	2	2
TX (G)	3	3

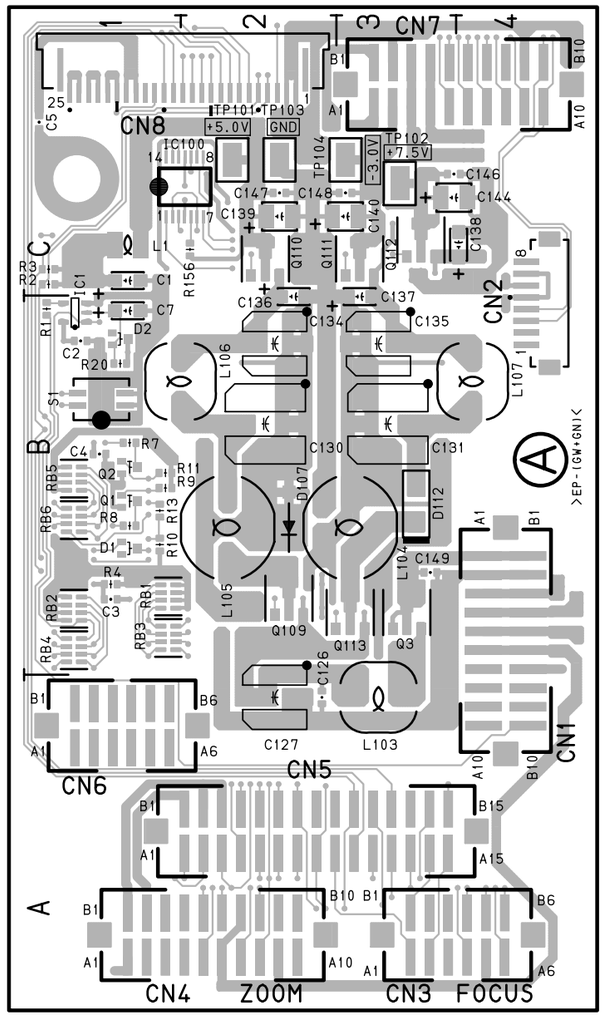
CN1		
TX (H)	3	3
TX (C)	2	2
TX (G)	1	1

Frame
LF-47
LOT NO. 903-

Section 7
Board Layouts

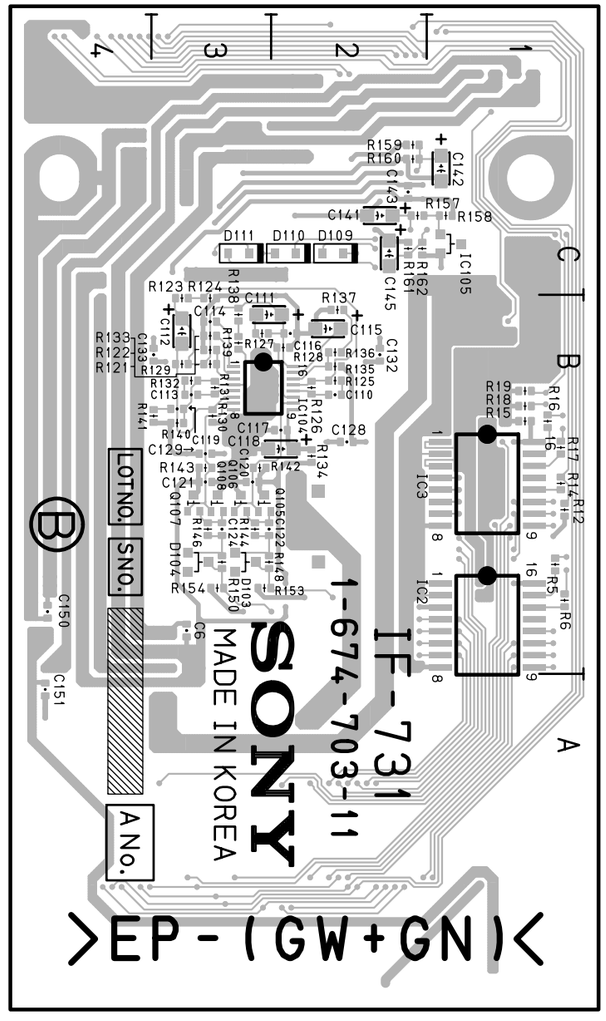
IF-731 (1-674-703-11)

C1	C1	Q113	B3
C2	B1		
C3	B1	R1	B1
C4	B1	R2	C1
C5	C1	R3	C1
C6	＊B3	R4	B1
C7	B1	R5	＊B1
C110	＊B2	R6	＊B1
C111	＊B3	R7	B1
C112	＊B3	R8	B1
C113	＊B3	R9	B1
C114	＊B3	R10	B1
C115	＊B2	R11	B1
C116	＊B2	R12	＊B1
C117	＊B2	R13	B1
C118	＊B2	R14	＊B1
C119	＊B3	R15	＊B1
C120	＊B3	R16	＊B1
C121	＊B3	R17	＊B1
C122	＊B3	R18	＊B1
C124	＊B3	R19	＊B1
C126	A2	R20	B1
C127	A2	R121	＊B3
C128	＊B2	R122	＊B3
C129	＊B3	R123	＊B3
C130	B2	R124	＊B3
C131	B3	R125	＊B2
C132	＊B2	R126	＊B2
C133	＊B3	R127	＊B3
C134	B2	R128	＊B2
C135	B3	R129	＊B3
C136	B2	R130	＊B3
C137	B3	R131	＊B3
C138	C4	R132	＊B3
C139	C2	R133	＊B3
C140	C3	R134	＊B2
C141	＊C2	R135	＊B2
C142	＊C1	R136	＊B2
C143	＊C2	R137	＊B2
C144	C3	R138	＊B3
C145	＊C2	R139	＊B3
C146	C3	R140	＊B3
C147	C2	R141	＊B3
C148	C3	R142	＊B3
C149	B3	R143	＊B3
C150	＊B4	R144	＊B3
C151	＊A4	R146	＊B3
		R148	＊B3
CN1	B4	R150	＊B3
CN2	B4	R153	＊B3
CN3	A4	R154	＊B3
CN4	A2	R156	C2
CN5	A2	R157	＊C2
CN6	A1	R158	＊C1
CN7	C4	R159	＊C2
CN8	C2	R160	＊C2
		R161	＊C2
D1	B1	R162	＊C2
D2	B1		
D103	＊B3	RB1	B1
D104	＊B3	RB2	B1
D107	B2	RB3	B1
D109	＊C2	RB4	B1
D110	＊C2	RB5	B1
D111	＊C3	RB6	B1
D112	B3		
		S1	B1
IC1	B1		
IC2	＊B1	TP101	C2
IC3	＊B1	TP102	C3
IC100	C1	TP103	C2
IC104	＊B3	TP104	C3
IC105	＊C1		
		＊: B SIDE	
L1	C1		
L103	A3		
L104	B3		
L105	B2		
L106	B1		
L107	B4		
Q1	B1		
Q2	B1		
Q3	B3		
Q105	＊B3		
Q106	＊B3		
Q107	＊B3		
Q108	＊B3		
Q109	B2		
Q110	C2		
Q111	C3		
Q112	C3		



CA-905K (UC)
CA-905T (J)
CA-905F (CE)

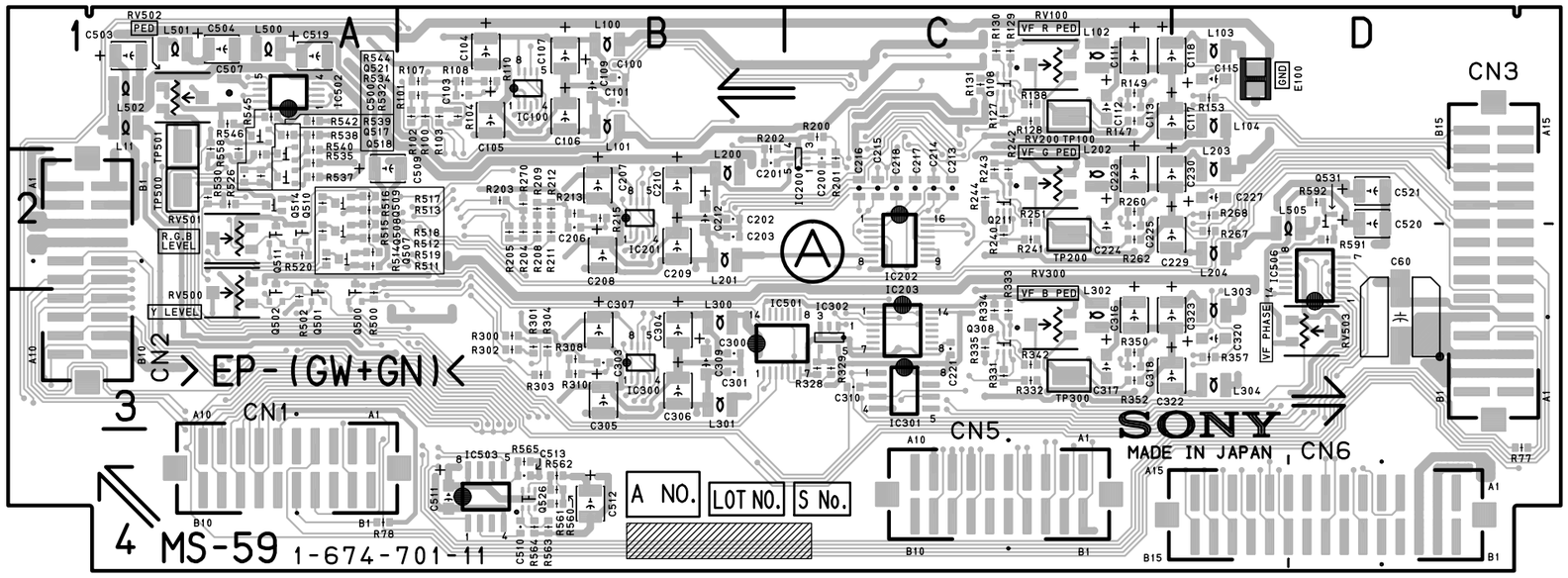
IF-731 -A SIDE-
SUFFIX: -11



IF-731 -B SIDE-
SUFFIX: -11

MS-59 (1-674-701-11)

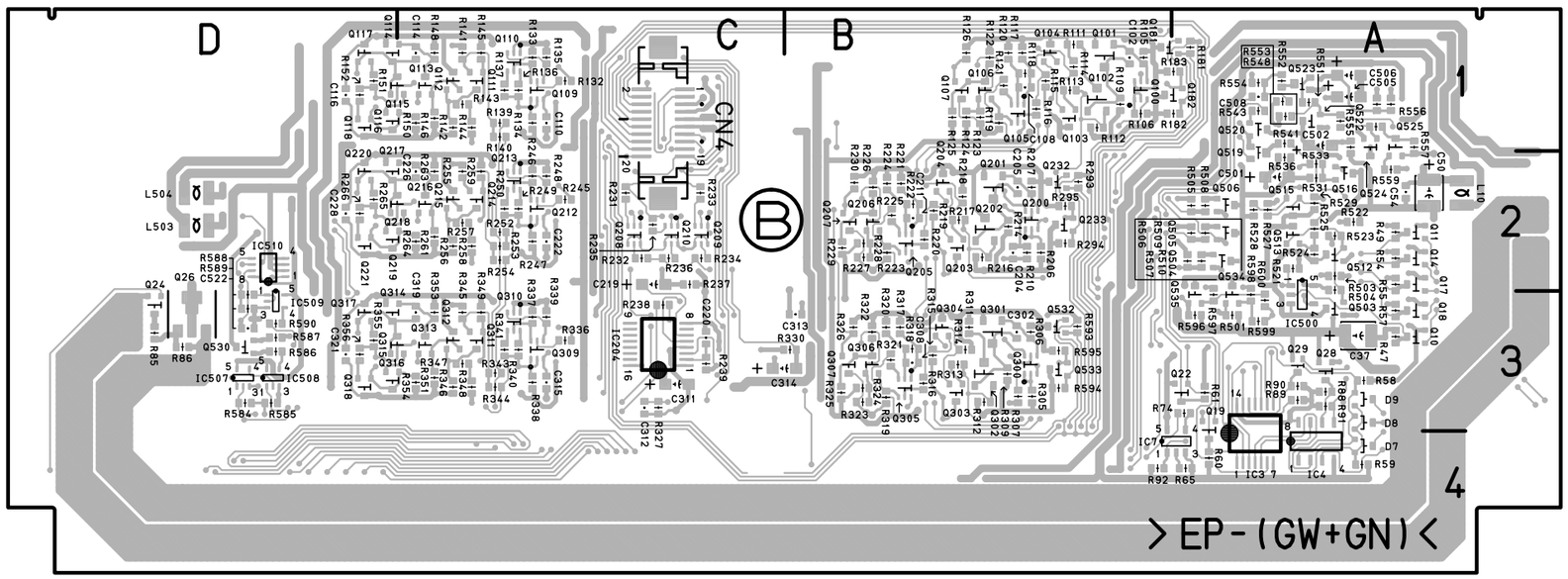
C37	＊A3	C519	A1	Q117	＊D1	R77	D4
C50	＊A2	C520	D2	Q118	＊D1	R78	A4
C54	＊A2	C521	D2	Q181	＊B1	R85	＊D3
C60	D3	C522	＊D3	Q182	＊A1	R86	＊D3
C100	B1			Q200	＊B2	R88	＊A3
C101	B1	CN1	A4	Q201	＊B2	R89	＊A3
C102	＊B1	CN2	A2	Q202	＊B2	R90	＊A3
C103	B1	CN3	D2	Q203	＊B2	R91	＊A3
C104	B1	CN4	＊C1	Q204	＊B2	R92	＊B4
C105	B1	CN5	C4	Q205	＊B2	R100	B1
C106	B1	CN6	D4	Q206	＊B2	R101	B1
C107	B1			Q207	＊B2	R102	B1
C108	＊B1	D7	＊A4	Q208	＊C2	R103	B1
C109	B1	D8	＊A3	Q209	＊C2	R104	B1
C110	＊C1	D9	＊A3	Q210	＊C2	R105	＊B1
C111	C1			Q211	C2	R106	＊B1
C112	C1	E100	D1	Q212	＊C2	R107	B1
C113	C1			Q213	＊C2	R108	B1
C114	＊C1	IC3	＊A4	Q214	＊C2	R109	＊B1
C115	D1	IC4	＊A4	Q215	＊C2	R110	B1
C116	＊D1	IC7	＊A4	Q216	＊C2	R111	＊B1
C117	C1	IC100	B1	Q217	＊D2	R112	＊B1
C118	C1	IC200	C2	Q218	＊C2	R113	＊B1
C200	C2	IC201	B2	Q219	＊D2	R114	＊B1
C201	B2	IC202	C2	Q220	＊D2	R115	＊B1
C202	B2	IC203	C3	Q221	＊D2	R116	＊B1
C203	B2	IC204	＊C3	Q232	＊B2	R117	＊B1
C204	＊B2	IC300	B3	Q233	＊B2	R118	＊B1
C205	＊B2	IC301	C3	Q300	＊B3	R119	＊B1
C206	B2	IC302	C3	Q301	＊B3	R120	＊B1
C207	B2	IC500	＊A3	Q302	＊B3	R121	＊B1
C208	B2	IC501	B3	Q303	＊B3	R122	＊B1
C209	B2	IC502	A1	Q304	＊B3	R123	＊B1
C210	B2	IC503	B4	Q305	＊B3	R124	＊B1
C211	＊B2	IC506	D3	Q306	＊B3	R125	＊B1
C212	B2	IC507	＊D3	Q307	＊B3	R126	＊B1
C213	C2	IC508	＊D3	Q308	C3	R127	C1
C214	C2	IC509	＊D3	Q309	＊C3	R128	C1
C215	C2	IC510	＊D2	Q310	＊C3	R129	C1
C216	C2			Q311	＊C3	R130	C1
C217	C2	L10	＊A2	Q312	＊C3	R131	C1
C218	C2	L11	A1	Q313	＊C3	R132	＊C1
C219	＊C2	L100	B1	Q314	＊D3	R133	＊C1
C220	＊C3	L101	B1	Q315	＊C3	R134	＊C1
C221	C3	L102	C1	Q316	＊D3	R135	＊C1
C222	＊C2	L103	D1	Q317	＊D3	R136	＊C1
C223	C2	L104	D1	Q318	＊D3	R137	＊C1
C224	C2	L200	B2	Q500	A3	R138	C1
C225	C2	L201	B2	Q501	A3	R139	＊C1
C226	＊C2	L202	C2	Q502	A3	R140	＊C1
C227	D2	L203	D2	Q503	＊A3	R141	＊C1
C228	＊D2	L204	D2	Q504	＊A2	R142	＊C1
C229	C2	L300	B3	Q505	＊A2	R143	＊C1
C230	C2	L301	B3	Q506	＊A2	R144	＊C1
C300	B3	L302	C3	Q507	A2	R145	＊C1
C301	B3	L303	D3	Q508	A2	R146	＊C1
C302	＊B3	L304	D3	Q509	A2	R147	C1
C303	B3	L500	A1	Q510	A2	R148	＊C1
C304	B3	L501	A1	Q511	A2	R149	C1
C305	B3	L502	A1	Q512	＊A2	R150	＊C1
C306	B3	L503	＊D2	Q513	＊A2	R151	＊D1
C307	B3	L504	＊D2	Q514	A2	R152	＊D1
C308	＊B3	L505	D2	Q515	＊A2	R153	D1
C309	B3			Q516	＊A2	R181	＊A1
C310	C3	Q10	＊A3	Q517	A2	R182	＊A1
C311	＊C3	Q11	＊A2	Q518	A2	R183	＊A1
C312	＊C3	Q14	＊A2	Q519	＊A2	R200	C1
C313	＊B3	Q17	＊A2	Q520	＊A1	R201	C2
C314	＊B3	Q18	＊A3	Q521	A1	R202	B1
C315	＊C3	Q19	＊A3	Q522	＊A1	R203	B2
C316	C3	Q22	＊A3	Q523	＊A1	R204	B2
C317	C3	Q24	＊D3	Q524	＊A1	R205	B2
C318	C3	Q26	＊D3	Q525	＊A1	R206	＊B2
C319	＊C3	Q28	＊A3	Q526	B4	R207	＊B2
C320	D3	Q29	＊A3	Q530	＊D3	R208	B2
C321	＊D3	Q100	＊B1	Q531	D2	R209	B2
C322	C3	Q101	＊B1	Q532	＊B3	R210	＊B2
C323	C3	Q102	＊B1	Q533	＊B3	R211	B2
C500	A2	Q103	＊B1	Q534	＊A3	R212	B2
C501	＊A2	Q104	＊B1	Q535	＊A3	R213	B2
C502	＊A1	Q105	＊B1			R214	＊B2
C503	A1	Q106	＊B1	R47	＊A3	R215	B2
C504	A1	Q107	＊B1	R49	＊A2	R216	＊B2
C505	＊A1	Q108	C1	R54	＊A2	R217	＊B2
C506	＊A1	Q109	＊C1	R55	＊A2	R218	＊B2
C507	A1	Q110	＊C1	R57	＊A3	R219	＊B2
C508	＊A1	Q111	＊C1	R58	＊A3	R220	＊B2
C509	A2	Q112	＊C1	R59	＊A4	R221	＊B2
C510	B4	Q113	＊C1	R60	＊A4	R222	＊B2
C511	B4	Q114	＊D1	R61	＊A3	R223	＊B2
C512	B4	Q115	＊C1	R65	＊A4	R224	＊B2
C513	B4	Q116	＊D1	R74	＊A3	R225	＊B2



BKP-9057 (SY)

MS-59 -A SIDE-

SUFFIX: -11



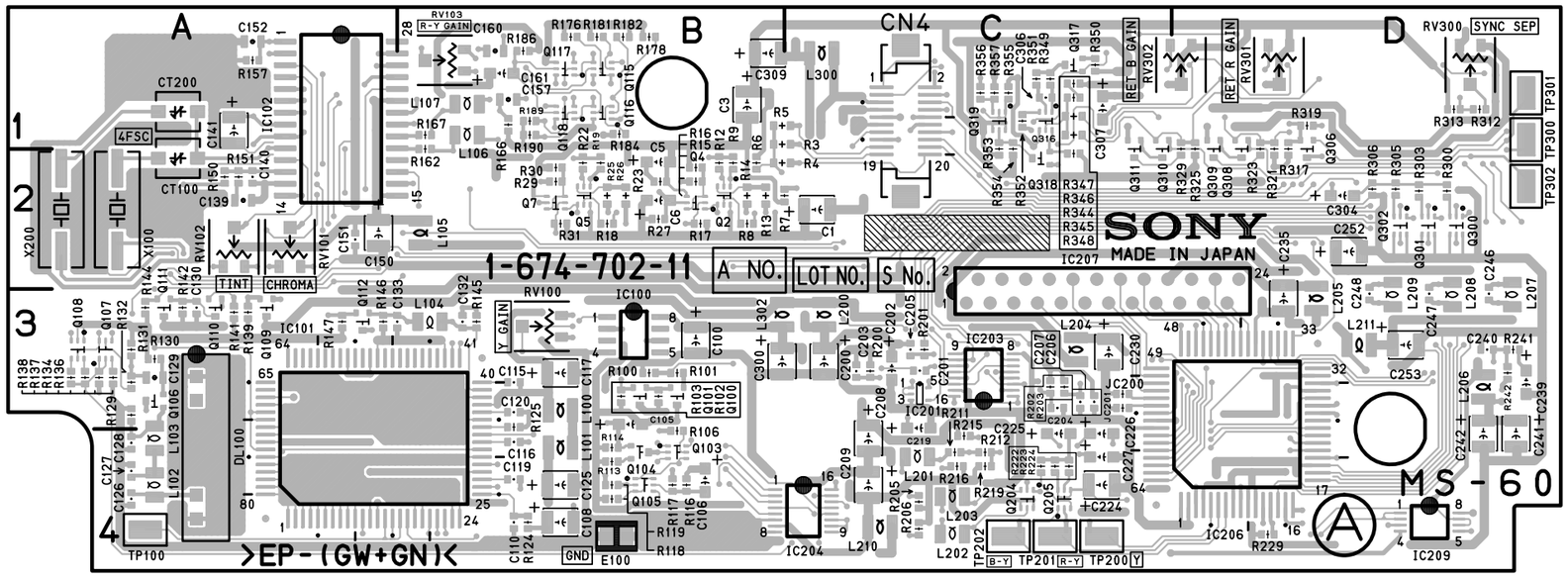
MS-59 -B SIDE-

SUFFIX: -11

R226	＊B2	R345	＊C3	R597	＊A3		
R227	＊B2	R346	＊C3	R598	＊A3		
R228	＊B2	R347	＊C3	R599	＊A3		
R229	＊B2	R348	＊C3	R600	＊A3		
R230	＊B2	R349	＊C3				
R231	＊C2	R350	C3	RV100	C1		
R232	＊C2	R351	＊C3	RV200	C2		
R233	＊C2	R352	C3	RV300	C3		
R234	＊C2	R353	＊C3	RV500	A3		
R235	＊C2	R354	＊C3	RV501	A2		
R236	＊C2	R355	＊D3	RV502	A1		
R237	＊C2	R356	＊D3	RV503	D3		
R238	＊C3	R357	D3				
R239	＊C3	R500	A3	TP100	C1		
R240	C2	R501	＊A3	TP200	C2		
R241	C2	R502	A3	TP300	C3		
R242	C2	R503	＊A2	TP500	A2		
R243	C2	R504	＊A2	TP501	A1		
R244	C2	R505	＊A2				
R245	＊C2	R506	＊A2	＊: B SIDE			
R246	＊C2	R507	＊A2				
R247	＊C2	R508	＊A2				
R248	＊C2	R509	＊A2				
R249	＊C2	R510	＊A2				
R250	＊C2	R511	A2				
R251	C2	R512	A2				
R252	＊C2	R513	A2				
R253	＊C2	R514	A2				
R254	＊C2	R515	A2				
R255	＊C2	R516	A2				
R256	＊C2	R517	A2				
R257	＊C2	R518	A2				
R258	＊C2	R519	A2				
R259	＊C2	R520	A2				
R260	C2	R521	＊A2				
R261	＊C2	R522	＊A2				
R262	C2	R523	＊A2				
R263	＊C2	R524	＊A2				
R264	＊C2	R525	＊A2				
R265	＊D2	R526	A2				
R266	＊D2	R527	＊A2				
R267	D2	R528	＊A2				
R268	D2	R529	＊A2				
R270	B2	R530	A2				
R293	＊B2	R531	＊A2				
R294	＊B2	R532	A2				
R295	＊B2	R533	＊A2				
R300	B3	R534	A2				
R301	B3	R535	A2				
R302	B3	R536	＊A2				
R303	B3	R537	A2				
R304	B3	R538	A1				
R305	＊B3	R539	A1				
R306	＊B3	R540	A2				
R307	＊B3	R541	＊A1				
R308	B3	R542	A1				
R309	＊B3	R543	＊A1				
R310	B3	R544	A1				
R311	＊B3	R545	A1				
R312	＊B3	R546	A1				
R313	＊B3	R547	＊A1				
R314	＊B3	R548	＊A1				
R315	＊B3	R549	＊A1				
R316	＊B3	R550	＊A1				
R317	＊B3	R551	＊A1				
R318	＊B3	R552	＊A1				
R319	＊B3	R553	＊A1				
R320	＊B3	R554	＊A1				
R321	＊B3	R555	＊A1				
R322	＊B3	R556	＊A1				
R323	＊B3	R557	＊A1				
R324	＊B3	R558	A1				
R325	＊B3	R559	＊A2				
R326	＊B3	R560	B4				
R327	＊C3	R561	B4				
R328	C3	R562	B4				
R329	C3	R563	B4				
R330	＊B3	R564	B4				
R331	C3	R565	B4				
R332	C3	R584	＊D3				
R333	C3	R585	＊D3				
R334	C3	R586	＊D3				
R335	C3	R587	＊D3				
R336	＊C3	R588	＊D3				
R337	＊C3	R589	＊D3				
R338	＊C3	R590	＊D3				
R339	＊C3	R591	D2				
R340	＊C3	R592	D2				
R341	＊C3	R593	＊B3				
R342	C3	R594	＊B3				
R343	＊C3	R595	＊B3				
R344	＊C3	R596	＊A3				

MS-60 (1-674-702-11)

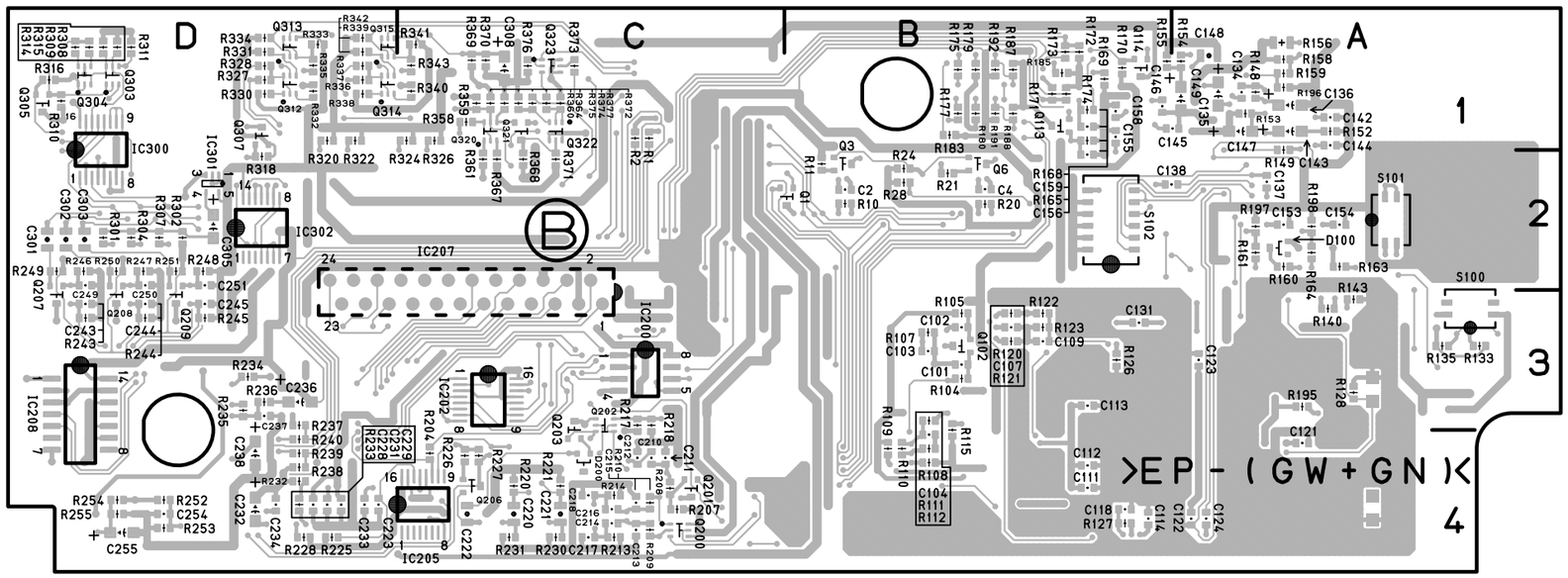
C1	C2	C224	C4	L209	D3	R26	B2
C2	＊B2	C225	C4	L210	C4	R27	B2
C3	B1	C226	C4	L211	D3	R28	＊B2
C4	＊B2	C227	C4	L300	C1	R29	B2
C5	B2	C228	＊D4	L302	B3	R30	B2
C6	B2	C229	＊D4			R31	B2
C100	B3	C230	C3	Q1	＊B2	R100	B3
C101	＊B3	C231	＊D4	Q2	B2	R101	B3
C102	＊B3	C232	＊D4	Q3	＊B2	R102	B3
C103	＊B3	C233	＊D4	Q4	B2	R103	B3
C104	＊B4	C234	＊D4	Q5	B2	R104	＊B3
C105	B3	C235	D3	Q6	＊B2	R105	＊B3
C106	B4	C236	＊D3	Q7	B2	R106	B4
C107	＊B3	C237	＊D3	Q100	B3	R107	＊B3
C108	B4	C238	＊D4	Q101	B3	R108	＊B3
C109	＊B3	C239	D3	Q102	＊B3	R109	＊B4
C110	B4	C240	D3	Q103	B4	R110	＊B4
C111	＊B4	C241	D4	Q104	B4	R111	＊B4
C112	＊B4	C242	D4	Q105	B4	R112	＊B4
C113	＊B3	C243	＊D3	Q106	A3	R113	B4
C114	＊B4	C244	＊D3	Q107	A3	R114	B4
C115	B3	C245	＊D3	Q108	A3	R115	＊B3
C116	B4	C246	D3	Q109	A3	R116	B4
C117	B3	C247	D3	Q110	A3	R117	B4
C118	＊B4	C248	D3	Q111	A3	R118	B4
C119	B4	C249	＊D2	Q112	A3	R119	B4
C120	B3	C250	＊D2	Q113	＊B1	R120	＊B3
C121	＊A4	C251	＊D2	Q114	＊B1	R121	＊B3
C122	＊A4	C252	D2	Q115	B1	R122	＊B3
C123	＊A3	C253	D3	Q116	B1	R123	＊B3
C124	＊A4	C254	＊D4	Q117	B1	R124	B4
C125	B4	C255	＊D4	Q118	B1	R125	B3
C126	A4	C300	B3	Q200	＊C4	R126	＊B3
C127	A4	C301	＊D2	Q201	＊C4	R127	＊B4
C128	A4	C302	＊D2	Q202	＊C3	R128	＊A3
C129	A3	C303	＊D2	Q203	＊C3	R129	A3
C130	A3	C304	D2	Q204	C4	R130	A3
C131	＊B3	C305	＊D2	Q205	C4	R131	A3
C132	B3	C306	C1	Q206	＊C4	R132	A3
C133	A3	C307	C1	Q207	＊D3	R133	＊A3
C134	＊A1	C308	＊C1	Q208	＊D3	R134	A3
C135	＊A1	C309	B1	Q209	＊D3	R135	＊A3
C136	＊A1			Q300	D2	R136	A3
C137	＊A2	CN4	C1	Q301	D2	R137	A3
C138	＊A2			Q302	D2	R138	A3
C139	A2	CT100	A2	Q303	＊D1	R139	A3
C140	A2	CT200	A1	Q304	＊D1	R140	＊A3
C141	A1			Q305	＊D1	R141	A3
C142	＊A1	D100	＊A2	Q306	D1	R142	A3
C143	＊A1	D200	＊C4	Q307	＊D1	R143	＊A3
C144	＊A1			Q308	D1	R144	A3
C145	＊A1	DL100	A4	Q309	D1	R145	B3
C146	＊B1			Q310	C1	R146	A3
C147	＊A1	E100	B4	Q311	C1	R147	A3
C148	＊A1			Q312	＊D1	R148	＊A1
C149	＊A1	IC100	B3	Q313	＊D1	R149	＊A1
C150	A2	IC101	A4	Q314	＊D1	R150	A2
C151	A2	IC102	A1	Q315	＊D1	R151	A2
C152	A1	IC200	＊C3	Q316	C1	R152	＊A1
C153	＊A2	IC201	C3	Q317	C1	R153	＊A1
C154	＊A2	IC202	＊C3	Q318	C2	R154	＊A1
C155	＊B1	IC203	C3	Q319	C1	R155	＊B1
C156	＊B2	IC204	B4	Q320	＊C1	R156	＊A1
C157	B1	IC205	＊C4	Q321	＊C1	R157	A1
C158	＊B1	IC206	D3	Q322	＊C1	R158	＊A1
C159	＊B1	IC207	C3	Q323	＊C1	R159	＊A1
C160	B1	IC208	＊D3			R160	＊A2
C161	B1	IC209	D4	R1	＊C1	R161	＊A2
C200	C3	IC300	＊D2	R2	＊C1	R162	B1
C201	C3	IC301	＊D2	R3	B1	R163	＊A2
C202	C3	IC302	＊D2	R4	B2	R164	＊A2
C203	C3			R5	B1	R165	＊B1
C204	C3	JC200	C3	R6	B2	R166	B1
C205	C3	JC201	C3	R7	B2	R167	B1
C206	C3			R8	B2	R168	＊B1
C207	C3	L100	B3	R9	B2	R169	＊B1
C208	C4	L101	B4	R10	＊B2	R170	＊B1
C209	C4	L102	A4	R11	＊B2	R171	＊B1
C210	＊C4	L103	A4	R12	B2	R172	＊B1
C211	＊C4	L104	B3	R13	B2	R173	＊B1
C212	＊C4	L105	B2	R14	B2	R174	＊B1
C213	＊C4	L106	B1	R15	B2	R175	＊B1
C214	＊C4	L107	B1	R16	B2	R176	B1
C215	＊C4	L200	C3	R17	B2	R177	＊B1
C216	＊C4	L201	C4	R18	B2	R178	B1
C217	＊C4	L202	C4	R19	B2	R179	＊B1
C218	＊C4	L203	C4	R20	＊B2	R180	＊B1
C219	C3	L204	C3	R21	＊B2	R181	B1
C220	＊C4	L205	D3	R22	B2	R182	B1
C221	＊C4	L206	D3	R23	B2	R183	＊B1
C222	＊C4	L207	D3	R24	＊B2	R184	B1
C223	＊D4	L208	D3	R25	B2	R185	＊B1



BKP-9057 (SY)

MS-60 -A SIDE-

SUFFIX: -11



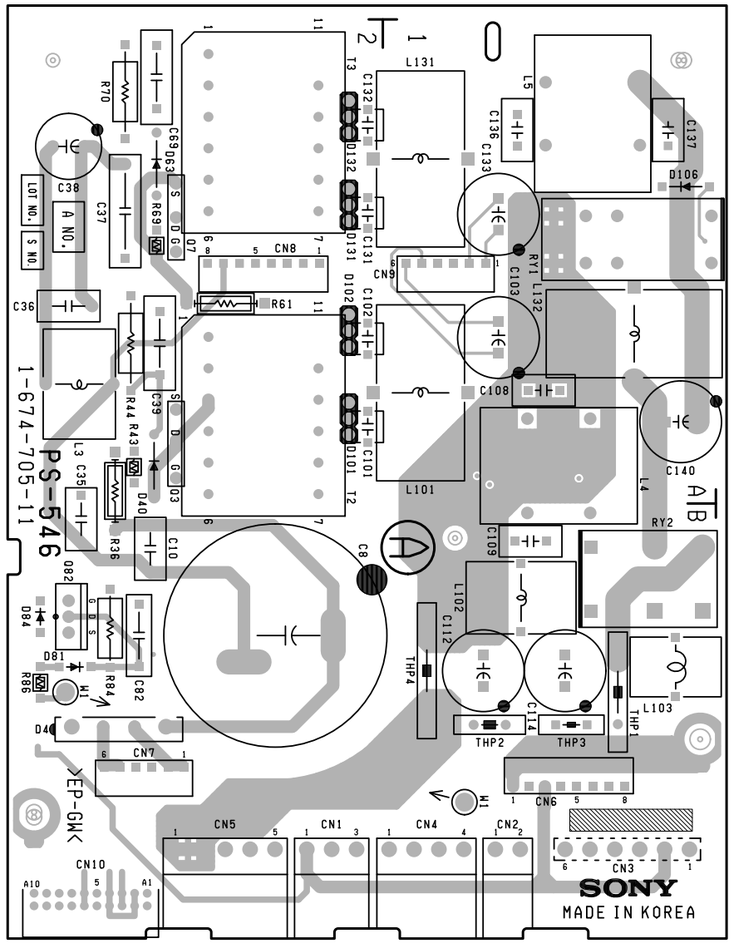
MS-60 -B SIDE-

SUFFIX: -11

R186	B1	R325	D1	R231	＊C4	R371	＊C2
R187	＊B1	R326	＊C1	R232	＊D4	R372	＊C1
R188	＊B1	R327	＊D1	R233	＊D4	R373	＊C1
R189	B1	R328	＊D1	R234	＊D3	R374	＊C1
R190	B1	R329	D1	R235	＊D3	R375	＊C1
R191	＊B1	R330	＊D1	R236	＊D3	R376	＊C1
R192	＊B1	R331	＊D1	R237	＊D3	R377	＊C1
R195	＊A3	R332	＊D1	R238	＊D4		
R196	＊A1	R333	＊D1	R239	＊D4	RV100	B3
R197	＊A2	R334	＊D1	R240	＊D4	RV101	A2
R198	＊A2	R335	＊D1	R241	D3	RV102	A2
R200	C3	R336	＊D1	R242	D3	RV103	B1
R201	C3	R337	＊D1	R243	＊D3	RV300	D1
R202	C3	R338	＊D1	R244	＊D3	RV301	D1
R203	C3	R339	＊D1	R245	＊D3	RV302	D1
R204	＊C4	R340	＊C1	R246	＊D2		
R205	C4	R341	＊C1	R247	＊D2	S100	＊A3
R206	C4	R342	＊D1	R248	＊D2	S101	＊A2
R207	＊C4	R343	＊C1	R249	＊D2	S102	＊B2
R208	＊C4	R344	C1	R250	＊D2		
R209	＊C4	R345	C1	R251	＊D2	TP100	A4
R210	＊C4	R346	C1	R252	＊D4	TP200	C4
R211	C4	R347	C1	R253	＊D4	TP201	C4
R212	C4	R348	C2	R254	＊D4	TP202	C4
R213	＊C4	R349	C1	R255	＊D4	TP300	D1
R214	＊C4	R350	C1	R300	D2	TP301	D1
R215	C4	R351	C1	R301	＊D2	TP302	D2
R216	C4	R352	C1	R302	＊D2		
R217	＊C3	R353	C1	R303	D2	X100	A2
R218	＊C3	R354	C1	R304	＊D2	X200	A2
R219	C4	R355	C1	R305	D2		
R220	＊C4	R356	C1	R306	D2	＊: B SIDE	
R221	＊C4	R357	C1	R307	＊D2		
R222	C4	R358	＊C1	R308	＊D1		
R223	C4	R359	＊C1	R309	＊D1		
R224	C4	R360	＊C1	R310	＊D1		
R225	＊D4	R361	＊C2	R311	＊D1		
R226	＊C4	R364	＊C1	R312	D1		
R227	＊C4	R367	＊C2	R313	D1		
R228	＊D4	R368	＊C2	R314	＊D1		
R229	D4	R369	＊C1	R315	＊D1		
R230	＊C4	R370	＊C1	R316	＊D1		
				R317	D1		
				R318	＊D2		
				R319	D1		
				R320	＊D1		
				R321	D1		
				R322	＊D1		
				R323	D1		
				R324	＊C1		

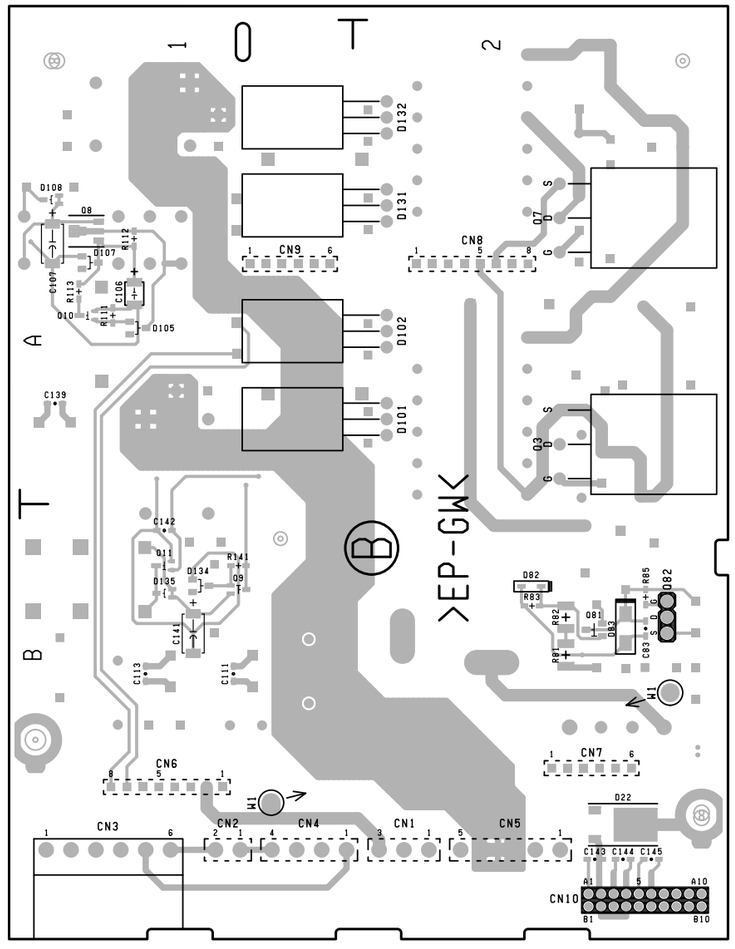
PS-546 (1-674-705-11)

C8	B2	R85	＊B2
C10	B2	R86	B2
C35	B2	R111	＊A1
C36	A2	R112	＊A1
C37	A2	R113	＊A1
C38	A2	R141	＊B1
C39	A2		
C69	A2	RY1	A1
C82	B2	RY2	B1
C83	＊B2		
C101	A2	T2	A2
C102	A2	T3	A2
C103	A1		
C106	＊A1	THP1	B1
C107	＊A1	THP2	B1
C108	A1	THP3	B1
C109	B1	THP4	B1
C111	＊B1		
C112	B1	＊: B SIDE	
C113	＊B1		
C114	B1		
C131	A2		
C132	A2		
C133	A1		
C136	A1		
C137	A1		
C139	＊A1		
C140	A1		
C141	＊B1		
C142	＊B1		
C143	＊B2		
C144	＊B2		
C145	＊B2		
CN1	B2		
CN2	B1		
CN3	＊B1		
CN4	B1		
CN5	B2		
CN6	B1		
CN7	B2		
CN8	A2		
CN9	A1		
CN10	B2		
D4	B2		
D22	＊B2		
D40	A2		
D63	A2		
D81	B2		
D82	＊B2		
D83	＊B2		
D84	B2		
D101	＊A2		
D102	＊A2		
D105	＊A1		
D106	A1		
D107	＊A1		
D108	＊A1		
D131	＊A2		
D132	＊A2		
D134	＊B1		
D135	＊B1		
L3	A2		
L4	A1		
L5	A1		
L101	A1		
L102	B1		
L103	B1		
L131	A1		
L132	A1		
Q03	＊A2		
Q07	＊A2		
Q08	＊A1		
Q09	＊B1		
Q10	＊A1		
Q11	＊B1		
Q81	＊B2		
Q82	B2		
R36	A2		
R43	A2		
R44	A2		
R61	A2		
R69	A2		
R70	A2		
R81	＊B2		
R82	＊B2		
R83	＊B2		
R84	B2		

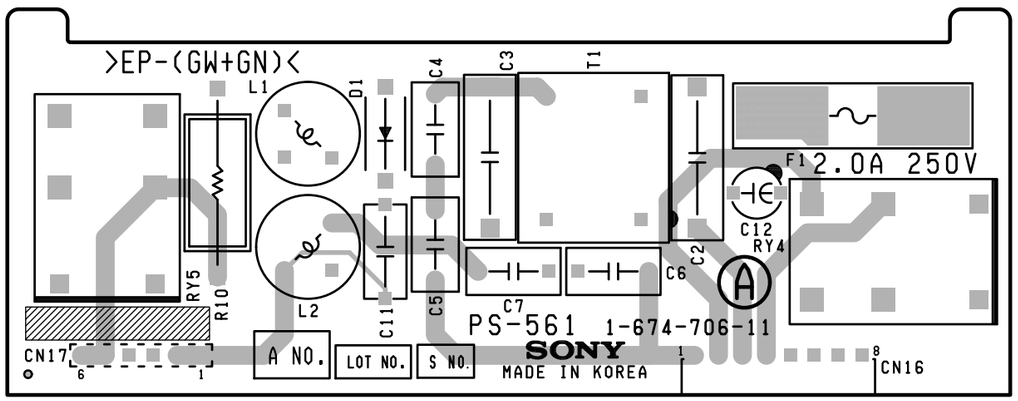


CA-905K (UC)
CA-905T (J)
CA-905F (CE)

PS-546 -A SIDE-
SUFFIX: -11

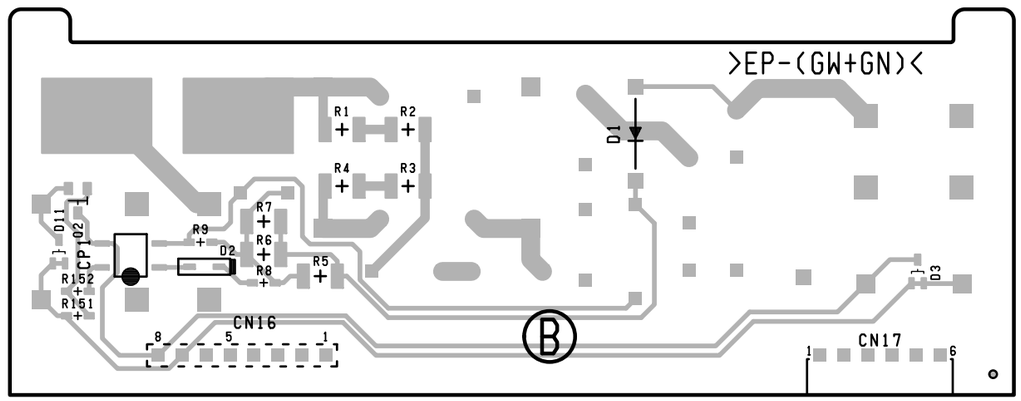


PS-546 -B SIDE-
SUFFIX: -11

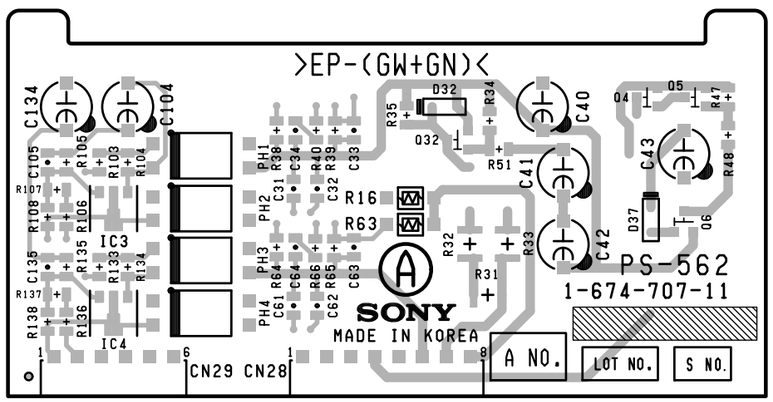


CA-905K (UC)
CA-905T (J)
CA-905F (CE)

PS-561 -A SIDE-
SUFFIX: -11

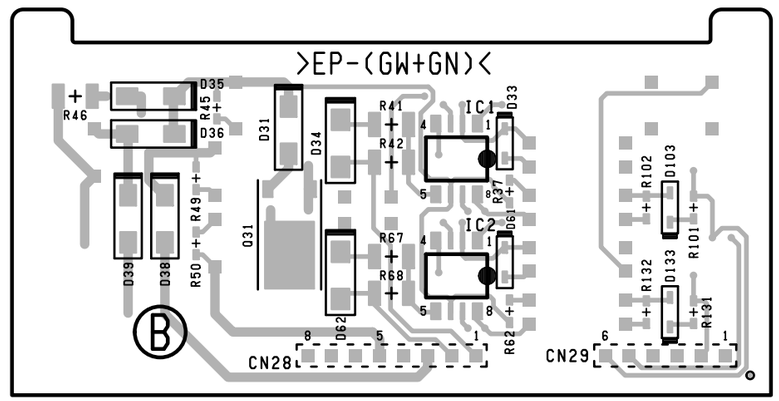


PS-561 -B SIDE-
SUFFIX: -11



CA-905K (UC)
CA-905T (J)
CA-905F (CE)

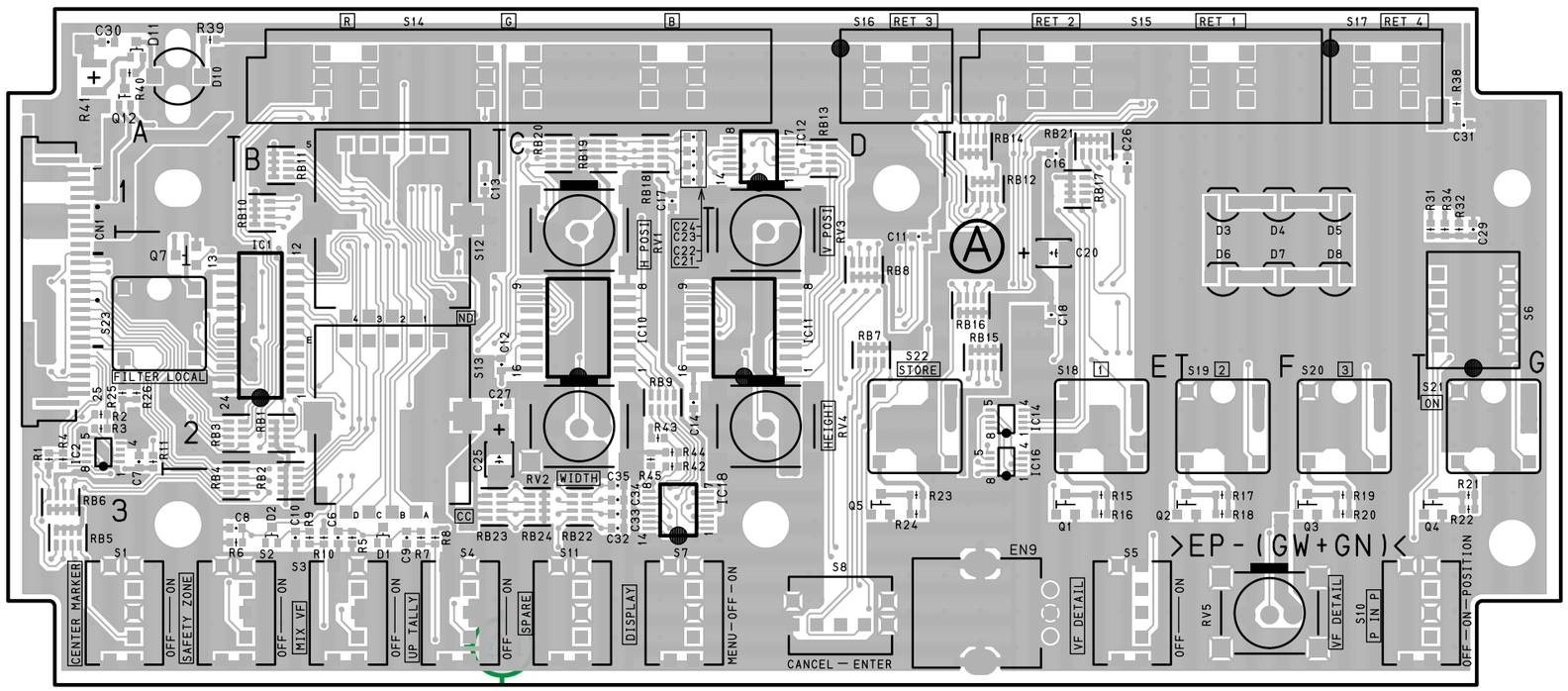
PS-562 -A SIDE-
SUFFIX: -11



PS-562 -B SIDE-
SUFFIX: -11

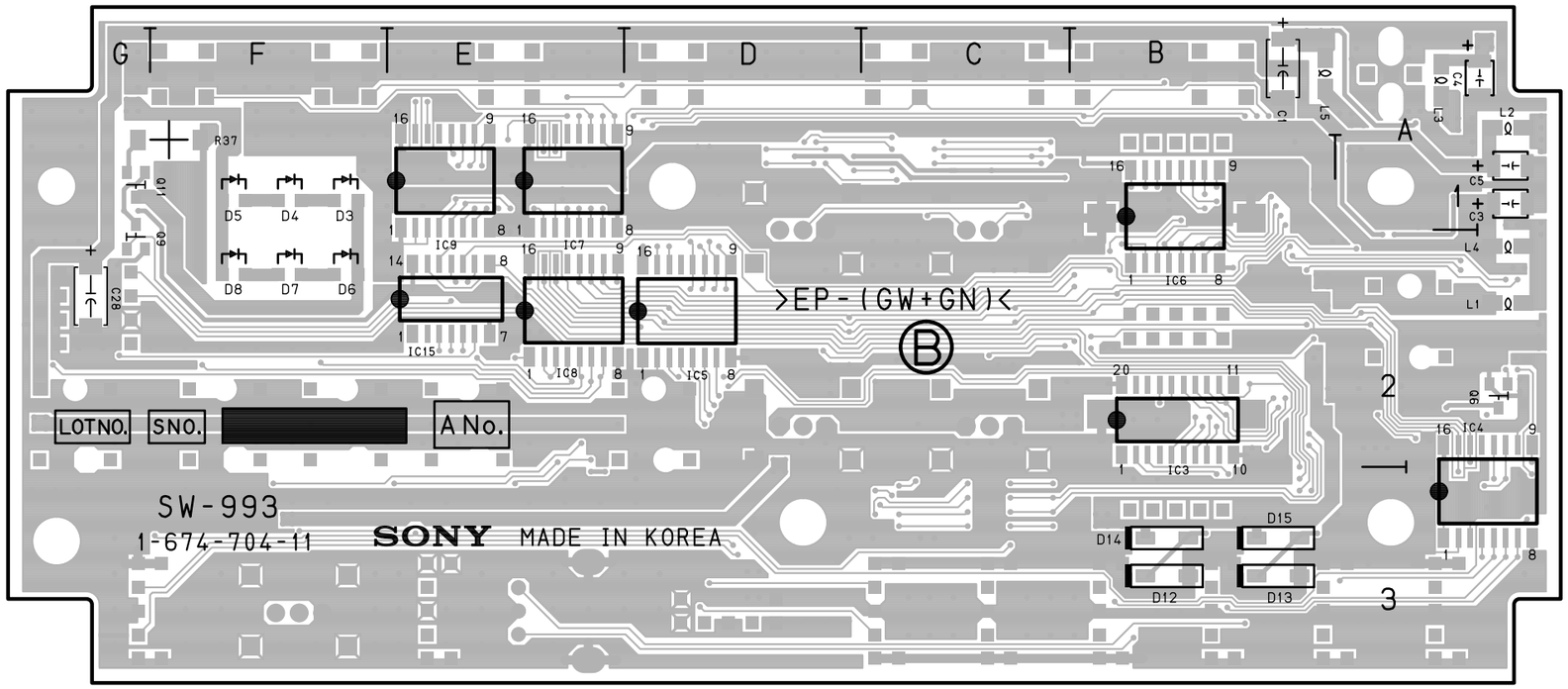
SW-993 (1-674-704-11)

C1	＊B1	R7	B3		
C3	＊A1	R8	B3		
C4	＊A1	R9	B3		
C5	＊A1	R10	B3		
C6	B3	R11	A2		
C7	A2	R15	E3		
C8	B3	R16	E3		
C9	B3	R17	F3		
C10	B3	R18	F3		
C11	D2	R19	F3		
C12	C2	R20	F3		
C13	B1	R21	G3		
C14	C2	R22	G3		
C16	E1	R23	D3		
C17	C1	R24	D3		
C18	E2	R25	A2		
C20	E2	R26	A2		
C21	C1	R31	G1		
C22	C1	R32	G1		
C23	C1	R34	G1		
C24	C1	R37	＊F1		
C25	B2	R38	G1		
C26	E1	R39	A1		
C27	C2	R40	A1		
C28	＊G2	R41	A1		
C29	G1	R42	C2		
C30	A1	R43	C2		
C31	G1	R44	C2		
C32	C3	R45	C2		
C33	C3				
C34	C3	RB1	B2		
C35	C3	RB2	B3		
		RB3	B2		
CN1	A2	RB4	B3		
		RB5	A3		
D1	B3	RB6	A3		
D2	B3	RB7	D2		
D3	F1	RB8	D2		
D4	F1	RB9	C2		
D5	F1	RB10	B1		
D6	F2	RB11	B1		
D7	F2	RB12	E1		
D8	F2	RB13	D1		
D10	A1	RB14	E1		
D11	A1	RB15	E2		
D12	＊B3	RB16	E2		
D13	＊B3	RB17	E1		
D14	＊B3	RB18	C1		
D15	＊B3	RB19	C1		
		RB20	C1		
EN9	E3	RB21	E1		
		RB22	C3		
IC1	B2	RB23	B3		
IC2	A2	RB24	C3		
IC3	＊B2				
IC4	＊A3	RV1	C1		
IC5	＊D2	RV2	C2		
IC6	＊B2	RV3	D1		
IC7	＊E1	RV4	D2		
IC8	＊E2	RV5	F3		
IC9	＊E1				
IC10	C2	S1	A3		
IC11	D2	S2	B3		
IC12	D1	S3	B3		
IC14	E2	S4	B3		
IC15	＊E2	S5	E3		
IC16	E2	S6	G2		
IC18	C3	S7	C3		
		S8	D3		
L1	＊A2	S10	G3		
L2	＊A1	S11	C3		
L3	＊A1	S12	B1		
L4	＊A2	S13	B2		
L5	＊B1	S14	C1		
		S15	E1		
Q1	E3	S16	D1		
Q2	F3	S17	F1		
Q3	F3	S18	E2		
Q4	G3	S19	F2		
Q5	D3	S20	F2		
Q6	＊A2	S21	G2		
Q7	A2	S22	D2		
Q9	＊G2	S23	A2		
Q11	＊G1				
Q12	A1	＊: B SIDE			
R1	A2				
R2	A2				
R3	A2				
R4	A2				
R5	B3				
R6	B3				

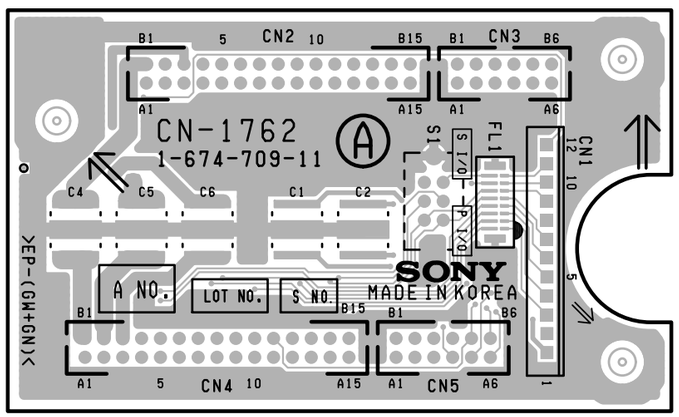


CA-905K (UC)
CA-905T (J)
CA-905F (CE)

SW-993 -A SIDE-
SUFFIX: -11

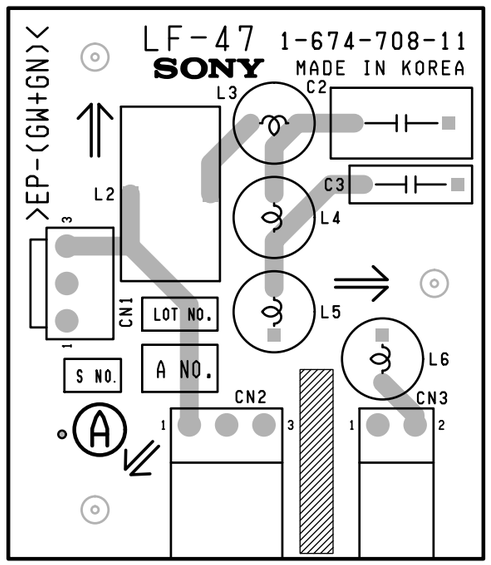


SW-993 -B SIDE-
SUFFIX: -11



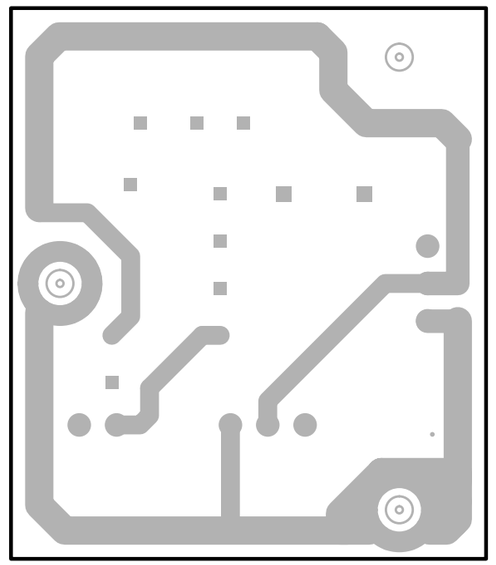
CA-905K (UC)
CA-905T (J)
CA-905F (CE)

CN-1762 -A SIDE-
SUFFIX: -11

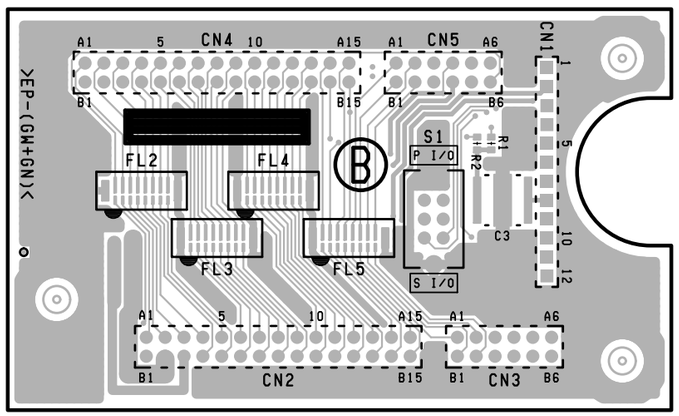


CA-905K (UC)
CA-905T (J)
CA-905F (CE)

LF-47 -A SIDE-
SUFFIX: -11



LF-47 -B SIDE-
SUFFIX: -11



CN-1762 -B SIDE-
SUFFIX: -11

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